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INTRODUCTION

The summaries of sea water temperatures and densities presented in this publication are based on observations made at locations along the Atlantic coast of North and South America and adjacent islands through the year 1971. The sea water temperatures and densities were observed primarily at tide stations which, in the United States and possessions, were maintained by the National Ocean Survey, often with the cooperation of other organizations. Final results for places in Venezuela were furnished by the Ministerio de Obras Públicas, República de Venezuela. For places in other countries, the National Ocean Survey derived the data from observations made by organizations in the particular country. In Latin America, the observations were obtained through the cooperation of the Inter American Geodetic Survey.

Table 1 presents monthly means and annual means and extremes of the surface water temperatures and densities for each year of observation after 1964. Earlier observations are combined in five-year groups. For each station at which the series of observations covered two or more years, there are given the following monthly values for the series: the mean of the monthly means, the maximum observed, the mean of the monthly maxima, the mean of the monthly minima and the minimum observed.

When an asterisk appears in either extreme temperature column in Table 1, it indicates that the extreme may have been exceeded if observations had been available for all months in which the maximum or minimum normally occurs. If observations are not available for any of the months in which the yearly maximum or minimum may have occurred, the extreme has been omitted. For densities, the yearly extremes are from the months of the year for which means are given. If they are from an incomplete year, they are followed by an asterisk.

The temperature data given in degrees Celsius are based on thermometer readings made in a sample of water drawn by bucket from a foot or two below the surface. They can be converted to degrees Fahrenheit by means of Table 3.

The density of any substance is defined as the mass per unit volume The density of sea water, as observed, depends not only upon the amount of soluble matter held in solution but also upon the temperature of the water at the time the reading was made. It is necessary, therefore, to reduce the observed densities to densities at a standard temperature in order that they may be comparable. In this publication the standard temperature is taken as 15°C (59°F). The density of pure water at a temperature of 15°C is taken as 0.9991. The observed densities obtained by means of a hydrometer are reduced by using the tables given in C&GS Special Publication No. 298.

Densities in Table 1 are expressed in terms of the Greek letter sigma with a subscript that refers to temperature and is called a sigma-t (σ_t) value. Thus: $\sigma_{15} = (\rho_{15} - 1)1000$ where ρ_{15} is the density of sea water at 15°C (59°F) referred to pure water at 4°C (39.2°F) as unity. For example: If sea water has a density at 15°C of 1.0268, $\sigma_{15} = 26.8$. The actual density of the water may vary from a little less than unity for fresh water at a temperature other than 4°C to approximately 1.0410 for the heaviest sea water.

The salinity of sea water, denoted by the symbol °/oo, is defined as the number of grams of salts contained in 1000 grams of sea water. Table 4 gives the salinity corresponding to different values of density at the standard temperature of 15°C.

The observations are usually made once each weekday at whatever time the observer attends the tide gage. At some stations situated within or near the entrance of an estuary, the temperature or density varies with the stage of tide or with the direction of the tidal current. It may be assumed that in the course of a month or more the distribution of observations is fairly uniform over all phases of the tide.

The monthly temperature summaries given in Table 2 are from records of recording thermometers. The thermometer bulb at each station was at a fixed position just below lowest observed low water, so that during a day it was covered by varying amounts of tidal water. The instrument record is in the form of a continuous trace; the mean values are from hourly readings. When it could be done with reasonable certainty, warmest and coldest values are shown for months for which the record was only partially complete.

The mean temperature and density curves are derived from the monthly means given in Table 1 and show graphically the seasonal variation for many places. The unusual shape of the temperature curve for Daytona Beach and Canova Beach reflects the upwelling that occurs along this section of the coast during the summer months.

For some practical uses of density data, it is more important to know the density at the temperature apt to be encountered than at the standard temperature. The graph, Sea Water Density at Various Temperatures, provides means for converting density at 59°F (15°C) to density at other temperatures.

The following National Ocean Survey publications on sea water temperatures, salinities, and densities are also available:

NOS Publication 31-3, Surface Water Temperature and Density, Pacific Coast, North and South America & Pacific Ocean Islands (Third Edition) 1970, $1.00.

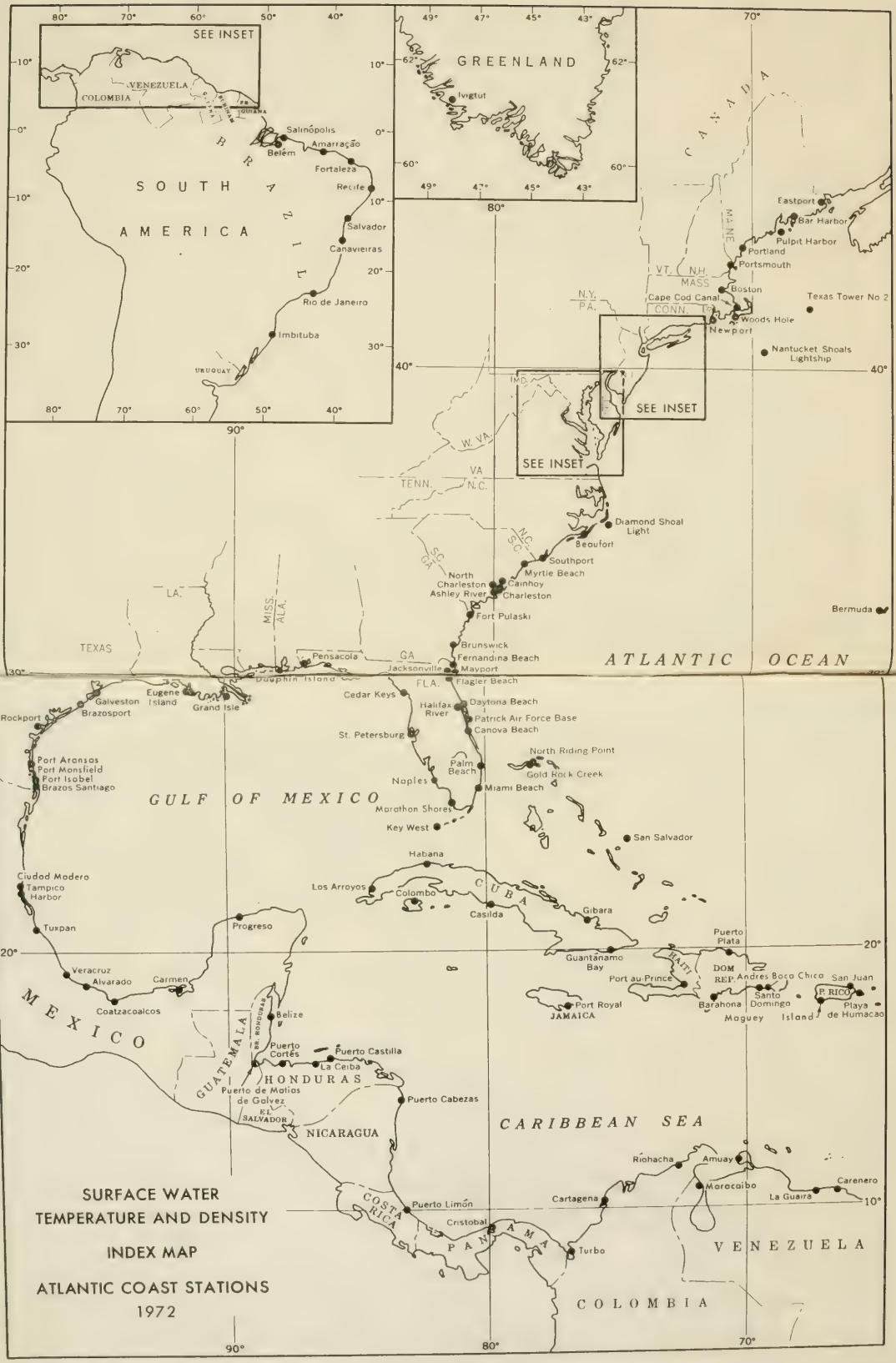
C&GS Special Publication No. 298, Sea Water Temperature and Density Reduction Tables, 1953, 25 cents.

LIST OF STATIONS

Station	Lat.	Long.	Page
	° ′	° ′	
Alvarado, Mexico	18 46N.	95 46W.	60,104
Amarração, Brazil	2 53S.	41 40W.	84
Amuay, Venezuela	11 45N.	70 13W.	80,105
Andres-Boca Chica, Dominican Republic	18 26N.	69 37W.	74,105
Annapolis, Md.	38 59N.	76 29W.	34,101
Asbury Park, N.J.	40 13N.	74 00W.	24
Atlantic City, N.J.	39 21N.	74 25W.	24,93,94,100
Baltimore, Md.	39 16N.	76 35W.	34,36,101
Bar Harbor, Maine	44 23N.	68 12W.	10,90,91,99
Barahona, Dominican Republic	18 12N.	71 05W.	72,105
Bear Mountain, Hudson River, N.Y.	41 19N.	73 59W.	22
Beaufort, N.C.	34 43N.	76 40W.	36
Belém, Brazil	1 27S.	48 30W.	84,106
Belize, British Honduras	17 30N.	88 11W.	62,104
Boston, Mass.	42 21N.	71 03W.	12,14,91,92,99
Brazos Santiago, Tex.	26 04N.	97 09W.	56,103
Brazosport, Freeport Harbor, Tex.	28 57N.	95 19W.	52,54,103
Breakwater Harbor, Del.	38 47N.	75 06W	26,100
Bridgeport, Conn.	41 10N.	73 11W.	18,99
Brunswick, Ga.	31 08N.	81 29W.	40,101
Cainhoy, Wando River, S.C.	32 55N.	79 50W.	38
Cambridge, Md.	38 34N.	76 04W.	34
Canavieiras, Brazil	15 40S.	38 58W.	86,106
Canova Beach, Fla.	28 08N.	80 35W.	44,96,102
Cape Charles (town), Va.	37 16N.	76 01W.	28
Cape Cod Canal, (east entrance), Mass.	41 46N.	70 30W.	14,99
Cape Cod Canal, (west entrance), Mass.	41 44N.	70 37W.	14,16,99
Cape May, N.J.	38 58N.	74 58W.	24,26,100
Carenero, Venezuela	10 32N.	66 07W.	80
Carmen, Mexico	18 38N.	91 50W.	60,104
Cartagena, Columbia	10 24N.	75 33W.	78,105
Carúpano, Venezuela	10 40N.	63 15W.	82,106
Casilda, Cuba	21 45N.	79 59W.	70
Cedar Keys, Fla.	29 08N.	83 02W.	48,102
Charleston (Customhouse Wharf), S.C.	32 47N.	79 55W.	38,101
Charleston (Virginia-Carolina Chemical Co. Wharf), Ashley River, S.C.	32 50N.	79 58W.	40
Chesapeake Light	36 54N.	75 43W.	28
Ciudad Madero, Mexico	22 15N.	97 48W.	56,58,103
Coatzacoalcos (Puerto Mexico), Mexico	18 09N.	94 25W.	60,104
Colombo, Isla de Pinos, Cuba	21 54N.	82 46W.	70
Crisfield, Md.	37 58N.	75 52W.	32
Cristobal, Canal Zone	9 21N.	79 55W.	66
Cumaná, Venezuela	10 28N.	64 11W.	82,106
Dauphin Island, Ala.	30 15N.	88 04W.	50
Daytona Beach (Halifax River), Fla.	29 13N.	81 01W.	44
Daytona Beach (ocean), Fla.	29 14N.	81 00W.	42,44,96,102
Diamond Shoal Light	35 09N.	75 18W.	36
Eastport, Maine	44 54N.	66 59W.	10,99
Eugene Island, La.	29 22N.	91 23W.	50,52,102
Fernandina Beach, Fla.	30 40N.	81 28W.	40,42,102
Ferry Reach, St. George's Island, Bermuda	32 22N.	64 42W.	66,68,104
Flagler Beach, Fla.	29 29N.	81 08W.	42
Fort Pulaski, Savannah River, Ga.	32 02N.	80 54W.	40,101
Fortaleza (Mucuripe), Brazil	3 43S.	38 29W.	84,106

Station	Lat.	Long.	Page
	° '	° '	
Galveston (Galveston Channel), Tex.	29 19N.	94 48W.	52,103
Galveston (Gulf Coast), Tex.	29 17N.	94 47W.	52,97,103
Gibara, Cuba	21 07N.	76 07W.	68,70
Gingerville Creek, South River, Md.	38 58N.	76 33W.	34
Gloucester Point, Va.	37 15N.	76 30W.	30,32,101
Gold Rock Creek, Grand Bahama Island, B.W.I.	26 37N.	78 15W.	68
Grand Isle (Drilling Platform 8 miles SE of), La.	29 10N.	89 55W.	50,102
Guantánamo Bay, Cuba	19 54N.	75 09W.	70,105
Güiria, Venezuela	10 34N.	62 17W.	82,84,106
Habana, Cuba	23 09N.	82 20W.	68,104
Imbituba, Brazil	28 18S.	48 40W.	88,106
Ivigtut, Greenland	61 12N.	48 11W.	10,99
Jacksonville, Fla.	30 21N.	81 37W.	42,102
Key West, Fla.	24 33N.	81 48W.	46,102
Kiptopeke Beach, Va.	37 10N.	75 59W.	28,100
La Ceiba, Honduras	15 47N.	86 47W.	64,104
La Guaira, Venezuela	10 36N.	66 56W.	80,105
Little Creek, Va.	36 55N.	76 11W.	30
Long Branch, N.J.	40 18N.	73 59W.	24,100
Los Arroyos, Cuba	42 21N.	84 23W.	68
Maguey Island, Puerto Rico	17 58N.	67 03W.	74,105
Maracaibo, Venezuela	10 40N.	71 35W.	78,80,105
Marathon Shores, Fla.	24 43N.	81 02W.	40,102
Mayport, Fla.	30 24N.	81 26W.	42,102
Miami Beach, Fla.	25 46N.	80 08W.	44,46,96,97,102
Monrovia, Liberia	6 20N.	10 48W.	88
Montauk, Fort Pond Bay, L.I., N.Y.	41 03N.	71 58W.	18,20,100
Myrtle Beach, S.C.	33 41N.	78 53W.	38,101
Nantucket Shoals Lightship	40 37N.	69 37W.	16
Naples, Fla.	26 08N.	81 48W.	46
New London, Conn.	41 22N.	72 06W.	16,18,99
New Rochelle, N.Y.	40 54N.	73 47W.	20
New York (Fort Hamilton), N.Y.	40 37N.	74 02W.	22
New York (The Battery), N.Y.	40 42N.	74 01W.	20,22,92,93,100
New York (Willets Point), N.Y.	40 48N.	73 47W.	20,100
Newport, R.I.	41 30N.	71 20W.	16,99
North Bimini, Bahama Islands, B.W.I.	25 46N.	79 17W.	68,104
North Charleston Terminals Cooper River, S.C.	32 54N.	79 58W.	40
North Riding Point, Grand Bahama Island, B.W.I.	26 43N.	78 09W.	68
Old Point Comfort, Va.	37 00N.	76 18W.	30
Palm Beach, Fla.	26 43N.	80 02W.	44
Patrick Air Force Base (Cape Kennedy), Fla.	28 15N.	80 36W.	44,96
Pensacola, Fla.	30 24N.	87 13W.	48,50,102
Philadelphia, Pa.	39 57N.	75 08W.	26,100
Playa de Humacao, Puerto Rico	18 10N.	65 44W.	76
Plum Island, L.I., N.Y.	41 10N.	72 12W.	18,100
Port Aransas, Tex.	27 49N.	97 03W.	54,103
Port-au-Prince, Haiti	18 33N.	72 21W.	72,105
Port Isabel, Tex.	26 04N.	97 13W.	56,103
Port Mansfield, Tex.	26 33N.	96 26W.	54,56,97,98,103
Port Royal, Jamaica	17 56N.	76 51W.	70,72,105
Portland, Maine	43 40N.	70 15W.	12,99
Portsmouth, N.H.	43 05N.	70 45W.	12,99
Progreso, Mexico	24 17N.	89 40W.	62,104

Station	Lat.	Long.	Page
	° ′	° ′	
Puerto Cabezas, Nicaragua	14 01N.	83 23W.	64,66,104
Puerto Castilla, Honduras	16 00N.	86 02W.	64,104
Puerto Cortés, Honduras	15 50N.	87 57W.	62,64,104
Puerto de Hierro, Venezuela	10 37N.	62 05W.	82,106
Puerto de Matias de Galvez, Guatemala	15 42N.	88 37W.	62,104
Puerto Limón, Costa Rica	10 00N.	83 02W.	66,104
Puerto Plata, Dominican Republic	19 49N.	70 42W.	74,105
Pulpit Harbor, Maine	44 09N.	68 53W.	10
Recife, Brazil	8 03S.	34 52W.	86,106
Richmond, Va.	37 32N.	77 25W.	30,101
Rio de Janeiro (Fortaleza de Santa Cruz), Brazil	22 56S.	43 08W.	88,106
Riohacha, Colombia	11 34N.	72 55W.	78,105
Rockport, Tex.	28 01N.	97 03W.	54
Rye, N.Y.	40 58N.	73 40W.	20
St. Lucia (Castries), B.W.I.	14 01N.	61 00W.	76
St. Lucia (Vieux Fort), B.W.I.	13 44N.	60 58W.	76
St. Petersburg, Fla.	27 46N.	82 38W.	48,102
Salinópolis, Brazil	0 37S.	47 23W.	84
Salvador, Brazil	12 58S.	38 31W.	86,106
San Juan, Puerto Rico	18 28N.	66 05W.	74,76,105
San Salvador Island, Bahama Islands, B.W.I.	24 03N.	74 33W.	68
Sandy Hook, N.J.	40 28N.	74 01W.	22,24,100
Santo Domingo, Dominican Republic	18 28N.	69 53W.	72
Solomons, Md.	38 19N.	76 27W.	32,34,101
Southport, N.C.	33 55N.	78 01W.	36
Tampico, Mexico	22 15N.	97 51W.	58,103
Texas Tower No. 2	41 40N.	67 47W.	14
Trinidad (Carenage Bay), B.W.I.	10 41N.	61 36W.	76
Turbo, Colombia	8 10N.	76 45W.	76,78,105
Tuxpan, Mexico	20 58N.	97 23W.	58,103
Virginia Beach, Va.	36 50N.	75 58W.	28,30,95,101
Veracruz, Mexico	19 11N.	96 07W.	58,103
Washington, D.C.	38 52N.	77 01W.	32,94,95,101
Woods Hole, Mass.	41 31N.	70 40W.	16,99


SEE INSET
VENEZUELA
COLOMBIA
GUYANA
SURINAM
FR. GUIANA
BRAZIL
SOUTH AMERICA
Salinópolis
Amarração
Belém
Fortaleza
Recife
Salvador
Canavieiras
Rio de Janeiro
Imbituba
URUGUAY
GREENLAND
Ivigtut
CANADA
MAINE
Eastport
Bar Harbor
Pulpit Harbor
Portland
Portsmouth
VT.
N.H.
MASS
Boston
Cape Cod Canal
CONN.
R.I.
Woods Hole
Newport
N.Y.
PA.
Texas Tower No 2
Nantucket Shoals Lightship
SEE INSET
MD.
SEE INSET
W. VA.
VA
TENN.
N.C.
Diamond Shoal Light
Beaufort
S.C.
N.C.
Southport
Myrtle Beach
North Charleston
Cainhoy
Ashley River
Charleston
Fort Pulaski
GA.
S.C.
LA.
MISS.
ALA.
TEXAS
Bermuda
Brunswick
Fernandina Beach
Pensacola
Jacksonville
Mayport
Dauphin Island
Flagler Beach
ATLANTIC OCEAN
FLA.
Cedar Keys
Halifax River
Daytona Beach
Patrick Air Force Base
Canova Beach
St. Petersburg
North Riding Point
Palm Beach
Gold Rock Creek
Naples
Miami Beach
Marathon Shores
Key West
GULF OF MEXICO
Rockport
Galveston
Brazosport
Eugene Island
Grand Isle
Port Aransas
Port Mansfield
Port Isobel
Brazos Santiago
San Salvador
Habana
Los Arroyos
Colombo
Casilda
CUBA
Gibara
Ciudad Modero
Tampico Harbor
Tuxpan
Progreso
Guantanamo Bay
Puerto Plata
HAITI
DOM REP.
Port au Prince
Andres
Boca Chico
San Juan
P. RICO
Santo Domingo
Barahona
Maguey Island
Playa de Humacao
Port Royal
JAMAICA
Veracruz
Alvarado
Carmen
Coatzacoalcos
MEXICO
Belize
BR. HONDURAS
GUATEMALA
Puerto Cortés
Puerto Castilla
La Ceiba
HONDURAS
Puerto de Matios de Golvez
EL SALVADOR
NICARAGUA
Puerto Cabezas
CARIBBEAN SEA
Riohacha
Amuay
Maracaibo
Carenero
La Guaira
Cartagena
Puerto Limón
COSTA RICA
Cristobal
PANAMA
Turbo
VENEZUELA
COLOMBIA
SURFACE WATER TEMPERATURE AND DENSITY
INDEX MAP
ATLANTIC COAST STATIONS
1972

75°
74°
73°
72°
NEW YORK
CONNECTICUT
New London
Bear Mountain
Plum Island
Bridgeport
Montauk
41°
New Rochelle
Rye
Willets Point
The Battery
LONG ISLAND
Fort Hamilton
Sandy Hook
PENNSYLVANIA
Long Branch
Asbury Park
40°
Philadelphia
NEW JERSEY
ATLANTIC
OCEAN
Atlantic City
DELAWARE
39°
Cape May
Breakwater Harbor
MARYLAND

75°
70°
65°
60°
55°
15°
10°
5°
St. Lucia
Riohacha
Amuay
Carúpano
Güiria
Carenero
Puerto de Hierro
Cristobal
Maracaibo
Cumaná
Trinidad
Cartagena
La Guaira
PANAMA
Turbo
VENEZUELA
COLOMBIA
GUYANA
SURINAM
FR. GUIANA

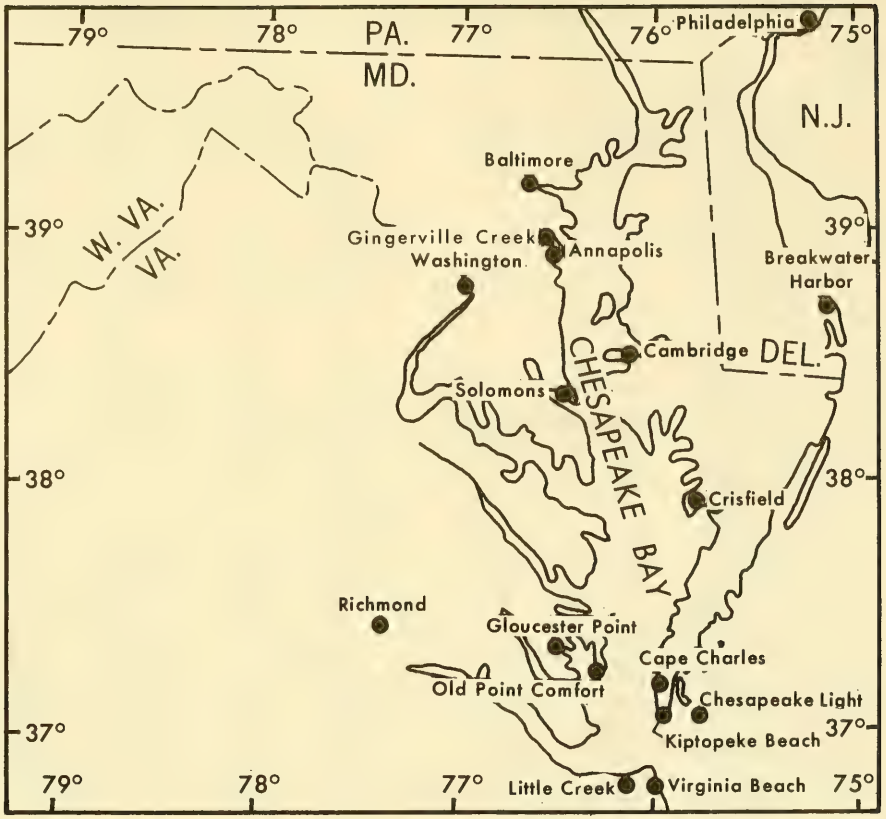

79°
78°
PA.
77°
76°
Philadelphia
75°
MD.
N.J.
Baltimore
W. VA.
VA.
39°
Gingerville Creek
Washington
Annapolis
Breakwater Harbor
Cambridge
DEL.
CHESAPEAKE BAY
Solomons
38°
Crisfield
Richmond
Gloucester Point
Cape Charles
Old Point Comfort
Chesapeake Light
Kiptopeke Beach
37°
Little Creek
Virginia Beach

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
														IVIGTUT,
1945-1949	0.1	24.9	0.1	24.2	0.2	24.8	1.0	25.0	4.0	23.8	8.2	21.4	8.3	18.1
1950-1952	-0.4	24.7	-0.1	24.9	0.1	24.9	0.3	24.6	4.5	22.6	7.6	19.3	7.6	16.7
Mean	-0.2	24.8	0.0	25.0	0.2	24.9	0.8	24.9	4.2	23.3	7.9	20.5	8.0	17.6
Maximum	2	27.4	2	26.4	3	26.0	3	26.0	9	26.2	12	24.2	11	22.4
Mean Max.	1.2	25.6	1.1	25.7	1.2	25.6	2.2	25.4	7.4	25.2	10.2	23.0	9.7	20.2
Mean Min.	-1.2	23.8	-1.1	22.6	-1.2	22.1	-0.2	24.2	1.6	19.9	5.8	17.7	6.0	14.8
Minimum	-2	21.9	-2	17.3	-2	15.6	-1	23.5	1	14.5	4	14.2	5	9.6
														EASTPORT,
1930-1934	3.1	23.7	1.3	23.5	1.5	23.3	2.9	22.8	4.7	22.8	7.0	23.1	9.6	23.4
1935-1939	3.0	23.5	1.3	23.4	1.3	23.3	2.6	23.0	4.7	22.7	7.1	23.0	9.3	23.3
1940-1944	2.3	23.8	0.8	23.7	0.6	23.7	2.1	23.2	4.0	23.2	6.4	23.3	8.5	23.6
1945-1949	3.4	23.9	1.7	23.8	1.9	23.7	3.1	23.5	4.8	23.3	6.9	23.5	9.4	24.1
1950-1954	5.0	23.8	3.2	23.6	2.9	23.5	4.0	23.2	5.7	23.3	7.8	23.6	10.0	23.9
1955-1959	3.6	24.2	2.4	24.0	2.2	23.8	3.1	23.8	4.9	23.7	6.4	23.8	8.9	23.9
1960-1964	3.7	23.5	2.0	23.6	1.6	23.5	2.7	23.5	4.3	23.3	6.7	23.4	9.1	23.8
1965	2.1	23.7	0.9	23.6	1.1	23.3	2.6	23.3	4.2	23.6	6.3	23.8	8.6	24.4
1966	2.1	23.9	0.7	24.0	1.2	23.9	2.8	23.6	4.1	23.7	5.9	24.3	7.8	24.3
1967	3.2	23.9	1.4	23.9	0.7	23.8	1.9	23.8	3.7	23.3	5.7	23.7	7.7	--
1968	1.8	23.6	1.2	23.6	1.8	23.5	3.2	23.4	4.4	23.5	6.4	23.9	8.8	24.3
1969	2.2	24.1	2.0	24.1	2.2	24.2	3.4	24.2	5.2	23.7	7.1	24.2	9.9	24.4
1970	3.2	23.8	1.8	23.8	1.8	23.9	3.6	24.2	5.8	23.4	7.4	23.4	9.7	23.6
1971	2.4	23.5	1.8	23.9	2.1	23.3	3.6	23.6	5.1	23.5	--	--	9.7	24.1
Mean	3.3	23.7	1.8	23.7	1.7	23.6	2.9	23.3	4.7	23.2	6.8	23.5	9.2	23.8
Maximum	7	24.8	4	24.8	5	24.6	6	24.5	8	24.5	10	25.0	13	25.0
Mean Max.	4.6	24.1	2.6	24.0	2.4	23.9	3.9	23.7	5.9	23.7	8.2	23.8	10.6	24.1
Mean Min.	1.9	23.4	1.0	23.3	0.9	23.2	2.1	22.8	3.7	22.8	5.6	23.0	7.7	23.4
Minimum	-1	21.3	-2	21.3	-1	21.5	0	21.3	2	21.5	4	21.4	6	22.6
														BAR HARBOR,
1947-1949	1.0	23.8	-0.3	23.8	1.1	23.6	4.4	23.3	7.7	23.2	11.2	23.2	13.5	23.3
1950-1954	1.5	23.5	0.6	23.4	2.0	23.2	4.6	23.0	7.8	23.1	11.2	23.2	14.1	23.4
1955-1959	1.0	23.4	0.3	23.5	1.6	23.2	4.2	22.9	7.3	23.0	10.5	23.0	13.2	23.2
1960-1964	1.4	23.6	0.3	23.6	1.5	23.7	4.4	23.7	7.7	23.1	11.6	23.2	13.7	23.6
1965	1.3	24.0	0.6	24.3	1.9	23.6	3.9	23.9	8.1	23.7	12.1	24.0	13.6	24.1
1966	1.7	24.3	1.3	24.2	3.1	23.9	6.1	23.9	8.3	24.1	12.1	24.0	14.0	24.1
1967	3.0	24.2	0.8	24.3	1.2	24.0	4.2	23.8	7.6	23.5	11.3	23.6	13.3	23.5
1968	1.3	24.2	0.0	24.2	1.0	24.2	5.6	24.0	8.8	23.8	11.7	23.7	14.6	24.0
1969	2.1	24.5	1.5	24.4	2.7	24.4	5.6	23.6	8.5	23.4	12.7	23.6	14.1	23.7
1970	1.4	23.6	1.6	23.3	1.7	25.5	3.2	25.5	8.0	25.4	12.1	25.6	15.2	26.0
1971	0.7	24.3	1.7	23.9	2.9	23.8	5.2	23.2	8.8	23.6	13.0	23.8	15.4	24.1
Mean	1.4	23.7	0.6	23.7	1.8	23.6	4.6	23.3	7.8	23.3	11.4	23.4	13.8	23.6
Maximum	6	25.5	9	25.2	9	25.1	10	26.1	13	26.4	17	26.5	19	27.0
Mean Max.	4.3	24.4	2.9	24.3	4.0	24.3	7.1	24.0	10.7	24.0	14.0	24.0	16.3	24.1
Mean Min.	-1.3	22.7	-1.6	22.6	-0.3	22.7	2.1	22.1	5.5	22.3	8.9	22.9	11.6	23.0
Minimum	-3	20.2	-2	20.7	-2	21.2	0	19.8	4	20.3	7	21.1	8	21.6
														PULPIT HARBOR,
1945-1946	0.9	22.3	-1.2	21.6	--	--	4.7	20.8	8.3	20.3	11.8	21.8	15.5	22.5

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
GREENLAND															
7.3	16.4	5.0	19.4	2.4	22.1	1.2	24.1	0.6	24.6	3.2	22.5	12	27.4	-2	7.6
6.8	14.9	5.6	16.7	2.3	22.4	0.9	24.4	0.4	23.8	3.0	21.7	11	26.3	-2	10.1
7.1	15.9	5.2	18.4	2.4	22.2	1.1	24.2	0.6	24.3	3.1	22.2				
12	21.3	9	24.1	5	24.3	4	25.8	2	26.3			12	27.4		
9.1	18.5	7.6	21.3	3.9	24.0	2.3	25.0	1.8	25.2						
5.4	12.8	3.6	14.6	0.8	19.1	-0.1	22.7	-0.8	23.1						
4	7.6	3	10.6	0	13.2	-1	20.5	-2	21.3					-2	7.6
MAINE															
11.0	23.6	11.4	23.8	10.7	23.7	8.6	23.6	5.7	23.7	6.5	23.4	14	24.5	-2	21.5
11.1	23.5	11.1	23.6	10.3	23.8	8.5	23.8	5.6	23.5	6.3	23.4	13	24.4	-1	21.3
10.1	23.9	10.6	24.0	9.8	24.1	8.0	23.8	5.2	23.8	5.7	23.7	12	25.1	-1	21.8
11.2	24.3	11.7	24.6	11.1	24.6	9.2	24.4	6.5	24.1	6.7	24.0	13	25.5	-1	21.4
11.4	24.2	11.8	24.2	11.1	24.3	9.3	24.1	7.3	23.8	7.5	23.8	13	24.9	1	21.3
10.6	24.2	10.9	24.3	9.9	24.3	8.7	24.2	6.2	24.0	6.5	24.0	12	25.3	1	22.8
10.8	24.0	11.1	24.2	10.3	24.2	8.4	23.8	5.2	23.6	6.3	23.7	13	24.9	0	22.4
9.3	24.3	9.2	24.3	8.7	24.2	7.3	24.2	4.2	23.9	5.4	23.9	10	25.0	-1	22.7
9.6	24.5	9.7	24.2	9.0	24.4	7.6	24.3	5.3	23.9	5.5	24.1	11	25.0	-1	23.3
9.5	24.1	9.8	24.1	9.2	24.1	8.1	23.9	6.8	23.8	5.7	--	11	24.5*	1	22.8*
8.8	24.3	9.2	24.4	10.4	24.4	8.3	24.3	5.1	24.2	5.8	24.0	12	25.2	1	23.2
10.9	24.3	10.7	24.3	9.8	24.3	9.4	24.4	6.8	24.1	6.7	24.2	12	25.0	1	23.1
11.3	23.9	11.3	24.2	11.0	24.5	9.7	24.4	5.7	24.0	6.9	23.9	14	25.0	1	23.1
11.5	24.0	12.2	24.1	11.9	24.4	9.9	24.4	--	--	--	--	13	24.9*	1	23.0*
10.7	24.0	11.1	24.1	10.4	24.2	8.7	24.0	5.9	23.8	6.4	23.7				
14	25.0	14	25.5	13	25.2	12	25.3	10	25.0			14	25.5		
11.7	24.4	11.8	24.5	11.2	24.5	9.8	24.4	7.6	24.2						
9.8	23.7	10.4	23.8	9.5	23.8	7.3	23.6	4.0	23.4						
8	23.0	7	23.0	4	23.2	5	22.6	2	21.7					-2	21.3
MAINE															
14.0	23.6	13.2	23.9	11.4	24.1	8.5	24.0	4.0	24.1	7.5	23.7	18	24.7	-2	22.0
14.4	23.6	13.2	23.6	11.1	23.9	8.3	23.8	4.9	23.4	7.8	23.4	17	25.0	-2	20.7
13.9	23.2	12.5	23.4	10.6	23.7	8.3	23.7	3.8	23.5	7.3	23.3	18	24.8	-2	20.0
13.9	23.7	12.9	23.9	11.0	24.1	8.1	23.8	3.8	23.7	7.5	23.6	18	25.3	-2	19.8
14.3	24.2	13.6	24.5	11.5	24.6	7.2	24.6	4.2	24.2	7.7	24.1	19	25.6	-2	21.9
14.1	24.2	13.1	24.1	10.6	24.5	8.8	24.5	5.7	24.4	8.2	24.2	16	25.4	-2	23.0
14.8	23.7	13.0	24.1	11.2	24.4	8.2	24.4	4.2	23.9	7.7	24.0	18	25.1	-2	21.6
14.1	24.1	13.5	24.3	11.8	24.5	8.0	24.4	4.4	24.3	7.9	24.1	18	25.4	-2	22.8
14.9	23.8	13.8	24.0	11.4	24.3	9.0	23.8	5.7	23.4	8.5	23.9	17	25.0	-2	20.7
14.9	26.0	12.7	25.0	11.7	24.3	9.2	24.3	3.4	24.2	7.9	24.9	19	27.0	-2	20.7
15.2	24.2	14.4	24.3	12.8	24.4	9.6	24.7	4.5	24.3	8.7	24.0	19	25.7	-3	21.7
14.2	23.7	13.1	23.9	11.1	24.1	8.3	24.0	4.3	23.8	7.7	23.7				
19	26.7	19	25.7	14	25.4	12	25.7	11	25.3			19	27.0		
16.4	24.3	15.2	24.4	13.0	24.5	10.7	24.5	7.6	24.4						
12.3	23.1	11.2	23.3	8.9	23.4	5.5	22.8	0.7	22.8						
10	22.0	9	21.6	7	21.8	3	20.0	-2	20.0					-3	19.8
MAINE															
16.6	22.8	14.9	23.0	11.9	23.0	8.9	23.2	4.2	23.0	--	--	21	24.0	-2	18.9

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
														PORTLAND,
1922-1924	0.3	22.8	0.2	22.6	0.9	21.7	3.7	21.1	7.9	20.3	10.8	21.9	14.1	21.9
1925-1929	0.8	21.8	-0.1	21.6	1.4	22.0	4.3	21.2	8.1	21.7	11.8	22.2	14.8	22.6
1930-1934	1.0	22.0	0.4	22.4	1.4	21.8	5.0	21.3	9.8	22.3	13.7	22.6	15.7	23.6
1935-1939	0.8	22.2	0.0	21.7	1.8	20.4	4.6	19.5	8.1	19.9	12.5	21.4	15.6	22.2
1940-1944	-0.2	22.7	-0.6	22.6	0.7	21.7	4.0	20.8	8.8	20.8	12.7	21.6	15.3	22.5
1945	-0.8	22.1	-1.1	22.0	2.0	19.4	5.1	20.7	7.8	18.2	12.6	18.8	15.4	21.6
--														
1956-1959	1.1	22.1	0.8	22.4	2.5	21.6	5.6	20.7	9.2	21.6	12.8	21.9	15.1	22.4
1960-1964	1.2	22.2	0.2	21.8	1.7	21.0	4.9	19.3	9.2	20.0	12.8	21.4	15.3	21.9
1965	0.6	23.1	-1.1	22.0	1.0	21.4	4.3	21.8	9.6	21.5	12.9	22.0	14.1	23.0
1966	0.7	23.1	-0.4	22.5	2.2	21.2	4.7	21.0	7.7	21.9	12.9	21.9	14.8	22.3
1967	1.6	22.1	2.1	22.5	0.6	21.6	3.5	19.3	7.2	19.8	12.7	20.5	15.2	20.6
1968	-0.6	22.4	-0.6	22.1	1.5	20.5	5.8	21.1	9.9	20.8	12.2	20.4	15.7	21.3
1969	1.8	22.5	1.4	22.1	2.2	21.7	5.9	17.9	9.1	18.9	13.8	20.2	16.0	21.3
1970	1.6	20.9	1.9	20.4	3.1	20.3	5.9	19.6	10.8	18.7	13.6	21.0	--	--
1971	-0.3	22.7	-0.1	21.1	2.6	21.2	6.0	19.3	9.7	19.7	13.7	21.5	16.9	22.6
Mean	0.7	22.3	0.1	22.0	1.6	21.3	4.7	20.4	8.8	20.7	12.7	21.6	15.2	22.3
Maximum	6	24.4	3	24.6	6	23.6	10	23.7	14	24.5	18	24.6	21	25.2
Mean Max.	2.3	23.2	1.3	23.2	3.4	22.8	7.2	22.4	11.6	22.5	15.2	23.0	17.1	23.4
Mean Min.	-0.3	20.5	-1.4	20.1	0.2	18.5	2.6	16.8	6.5	17.6	10.5	19.1	13.4	20.2
Minimum	-2	9.0	-2	13.8	-1	10.0	0	9.4	4	10.4	8	12.6	12	12.6
														PORTSMOUTH,
1944	1.1	23.3	1.0	23.0	1.4	20.9	4.6	17.8	9.9	20.4	12.2	22.1	15.2	21.7
1945-1949	1.6	22.0	0.8	21.9	2.7	18.9	5.9	19.4	8.9	19.2	12.3	20.0	15.3	21.8
1950-1954	2.8	20.7	1.7	19.6	2.6	18.6	6.1	16.6	9.5	18.2	13.2	20.7	15.5	22.5
1955-1959	2.1	20.7	1.7	21.2	2.6	19.7	5.7	18.0	9.4	19.8	13.0	21.7	15.0	22.7
1960-1964	2.1	21.8	1.3	21.9	2.2	20.4	5.2	17.6	9.4	20.1	12.1	22.1	14.8	23.0
1965	2.0	23.0	0.7	22.9	2.0	20.1	5.2	20.9	9.7	22.0	12.8	23.0	12.9	23.9
1966	1.7	23.7	0.9	23.3	2.4	19.3	5.7	20.0	7.6	21.8	12.6	22.6	13.9	23.4
1967	3.4	22.9	1.5	22.9	1.3	22.6	3.8	15.9	7.3	18.8	11.9	20.9	14.9	21.5
1968	0.9	22.7	0.4	22.1	1.3	20.0	6.0	20.2	9.8	20.2	13.3	20.0	--	--
1969	2.6	22.2	1.6	21.8	2.1	22.0	--	--	8.3	21.2	12.5	22.8	15.4	22.8
1970	2.8	21.5	2.9	20.3	3.4	21.9	5.9	18.8	10.0	21.0	11.8	22.7	13.7	23.3
1971	--	--	1.4	22.7	2.9	20.5	5.1	18.2	9.1	18.9	13.2	21.8	13.1	23.3
Mean	2.1	21.7	1.4	21.5	2.4	19.8	5.6	18.1	9.2	19.7	12.6	21.4	14.9	22.6
Maximum	6	25.1	4	25.3	6	24.0	10	23.9	14	23.5	18	23.8	19	24.3
Mean Max.	3.8	23.5	2.6	23.5	4.1	23.0	7.7	22.1	12.0	22.2	15.5	23.0	17.6	23.4
Mean Min.	0.6	19.0	0.1	18.6.	1.1	15.4	3.6	12.9	6.7	16.1	9.7	18.5	11.6	21.5
Minimum	-2	11.3	-1	12.4	-1	7.2	2	6.6	4	6.8	8	12.6	10	18.0
														BOSTON,
1922-1924	0.4	21.7	-0.3	22.2	1.9	20.7	5.9	20.0	10.8	20.3	15.1	21.2	16.9	21.4
1925-1929	0.7	22.3	0.6	21.8	2.7	21.0	6.1	21.0	10.3	21.3	14.9	22.3	17.3	22.6
1930-1934	2.3	21.4	0.8	22.2	2.4	20.1	6.6	19.7	10.9	21.4	15.6	21.6	17.6	22.5
1935-1939	1.5	21.2	0.8	21.3	2.8	19.8	6.2	18.8	10.9	20.4	15.3	21.3	18.2	21.7
1940-1944	0.6	21.9	0.3	22.1	2.4	20.1	6.6	19.9	12.4	20.4	16.2	21.6	17.9	22.6
1945-1949	1.9	21.2	1.4	21.6	4.8	19.0	8.6	20.3	12.3	19.8	16.1	20.2	19.2	21.8
1950-1954	3.2	21.2	2.5	19.9	4.2	18.5	8.3	18.0	12.5	17.7	16.6	20.4	18.9	22.4
1955-1959	1.8	19.6	1.9	19.7	3.9	17.3	8.4	16.2	12.6	19.1	16.3	20.8	18.9	21.1
1960-1964	2.1	19.7	1.6	19.4	4.1	17.7	8.1	16.4	12.9	18.6	16.5	19.9	18.9	21.1

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
MAINE															
14.4	22.4	13.9	22.2	11.0	22.6	6.8	22.7	3.1	22.3	7.3	22.0	17	24.4	1	13.4
15.1	22.7	14.3	22.6	11.2	22.6	7.4	22.0	3.0	21.7	7.7	22.1	17	25.3	0	11.4
16.1	23.1	15.0	23.1	11.7	22.2	7.2	22.4	3.0	22.1	8.3	22.4	18	25.4	0	11.6
16.4	22.2	14.2	22.6	11.0	22.7	7.2	22.4	2.6	21.9	7.9	21.6	19	25.2	0	10.0
15.6	22.8	13.9	22.6	10.5	22.8	6.5	22.3	1.9	22.5	7.4	22.1	19	24.5	-2	12.6
15.8	22.2	15.2	22.1	10.5	22.2	7.1	21.0	2.0	21.5	7.6	21.0	17	23.9	-2	12.9
15.8	22.7	14.6	22.9	11.3	22.7	8.2	22.6	4.2	22.5	8.4	22.2	18	24.4	-1	9.0
15.5	22.0	14.5	22.4	11.5	22.2	7.8	21.9	3.2	22.1	8.2	21.5	21	24.3	-2	10.0
14.7	23.0	12.9	22.9	10.2	23.2	6.2	23.2	2.7	23.0	7.3	22.5	17	23.9	-2	18.6
15.0	22.4	14.3	22.3	9.9	22.7	7.0	21.0	3.7	21.7	7.7	22.0	18	23.8	-2	16.1
15.2	21.3	13.4	21.7	10.8	22.2	6.4	22.3	3.6	21.8	7.7	21.3	18	23.0	-1	14.8
14.7	22.1	15.6	21.7	12.8	22.7	7.8	22.4	3.8	21.8	8.2	21.6	18	23.7	-2	12.1
16.9	21.6	15.6	21.4	12.7	22.1	9.0	20.1	4.8	20.8	9.1	20.9	19	23.6	1	9.4
--	--	--	--	12.8	22.5	8.8	22.5	2.2	21.9	--	--	16*	24.3*	-1	13.3*
16.1	22.4	15.8	21.7	12.9	22.5	8.4	22.5	3.4	22.4	8.8	21.6	19	23.9	-1	18.6
15.6	22.5	14.4	22.5	11.2	22.5	7.4	22.2	3.0	22.0	8.0	21.9				
20	25.4	20	24.6	16	24.4	14	23.9	8	24.2			21	25.4		
17.1	23.5	16.4	23.5	13.5	23.5	9.6	23.1	5.6	23.1						
14.3	20.9	12.6	21.0	8.8	20.7	4.9	20.3	0.9	20.4						
12	18.2	10	16.6	6	11.8	2	12.4	-1	14.5					-2	9.0
N.H.															
16.8	23.8	14.1	22.7	11.0	23.1	7.3	22.6	3.3	19.9	8.2	21.8	19	24.1	-1	13.6
16.5	22.2	15.2	22.7	11.6	23.0	8.6	22.8	4.3	22.4	8.6	21.4	20	25.3	-2	9.8
16.1	22.7	14.5	21.9	11.5	22.6	8.2	21.2	5.3	20.0	8.9	20.4	20	24.2	-1	6.6
16.3	23.1	14.4	23.3	11.5	23.1	8.6	21.9	4.5	21.2	8.7	21.4	20	24.2	-1	9.1
15.0	23.3	14.6	23.3	11.7	22.8	8.3	21.7	4.2	21.4	8.4	21.6	19	24.4	-1	8.5
13.1	24.0	13.2	24.2	9.3	23.9	6.1	24.0	3.8	23.8	7.6	23.0	16	24.5	-1	16.5
14.4	23.5	14.7	23.4	9.2	23.5	7.4	22.1	4.6	22.1	7.9	22.4	18	24.2	0	14.7
14.7	22.5	13.1	23.4	9.7	23.6	6.6	23.5	3.6	21.6	7.7	21.7	18	24.5	0	10.6
14.6	23.6	15.9	24.0	12.3	24.1	7.8	22.7	4.9	19.6	--	--	17*	24.7*	-1	11.5*
15.9	22.7	15.4	22.9	12.6	23.5	9.7	20.6	5.4	20.9	--	--	20	24.1*	0	14.9*
16.7	23.2	14.3	23.8	12.8	23.3	10.1	22.6	5.4	22.4	9.2	22.1	20	24.3	1	14.3
14.9	23.6	16.8	23.6	12.9	23.8	9.9	23.7	5.9	23.0	--	--	18	24.3*	1	13.9*
15.8	23.0	14.7	23.0	11.4	23.1	8.3	22.1	4.6	21.4	8.6	21.4				
20	24.3	19	24.5	16	24.7	14	24.5	9	24.4			20	25.3		
18.1	23.6	16.9	23.7	13.3	23.7	10.1	23.5	6.7	23.2						
12.9	22.1	12.3	22.1	9.7	22.1	6.2	20.1	2.1	18.7						
10	19.2	10	10.5	7	15.2	4	13.7	0	13.3					-2	6.6
MASS.															
17.3	22.3	16.2	21.9	12.4	22.6	7.9	22.7	3.5	22.3	9.0	21.6	21	23.6	-2	12.8
18.2	22.6	17.0	22.4	12.7	22.7	8.3	22.6	3.3	22.0	9.3	22.0	21	23.8	-2	14.3
18.2	22.6	17.6	22.2	13.3	22.0	8.6	21.9	3.8	22.4	9.8	21.7	21	23.8	-2	11.7
18.4	22.0	16.6	21.9	12.8	22.2	8.1	22.2	3.6	21.0	9.6	21.2	23	23.5	-2	10.2
19.1	22.9	17.4	22.9	13.4	22.8	8.6	22.5	3.3	22.1	9.8	21.8	24	25.7	-2	9.8
19.8	21.8	18.6	21.8	14.4	22.7	10.3	22.1	4.8	21.7	11.0	21.2	24	23.9	-2	11.2
19.2	22.3	17.7	21.5	13.9	22.1	9.6	20.7	5.7	20.8	11.0	20.5	22	23.9	0	6.2
19.7	20.6	17.4	20.8	13.6	20.4	9.9	20.4	4.7	20.6	10.8	19.7	24	25.4	-1	2.9
18.9	21.1	17.7	20.6	13.9	20.1	10.0	20.4	4.4	20.5	10.8	19.6	24	23.7	-1	8.2

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
														BOSTON,
1965	1.8	21.6	1.1	20.5	3.3	20.0	6.7	19.6	13.2	20.5	17.3	21.7	16.9	22.2
1966	3.6	19.0	3.1	18.6	6.3	16.6	7.9	19.2	12.1	18.5	17.4	17.9	20.6	18.2
1967	5.3	19.5	4.2	17.9	5.2	15.0	8.1	15.1	10.6	16.9	15.7	18.5	18.8	19.9
1968	0.7	20.9	1.2	20.8	3.9	17.0	9.8	18.8	14.1	18.7	17.5	17.8	18.8	21.3
1969	1.9	20.6	1.4	21.1	3.8	18.5	9.4	16.6	13.3	19.1	17.6	21.8	20.3	21.2
1970	0.1	19.3	1.8	15.2	2.6	17.7	6.4	15.4	12.7	14.5	15.4	18.3	18.8	21.6
1971	0.1	21.7	2.0	20.5	2.8	19.2	6.7	20.2	11.9	16.0	18.4	19.8	19.8	22.0
Mean	1.7	21.0	1.3	20.8	3.4	19.1	7.3	18.7	11.9	19.6	16.1	20.8	18.4	21.8
Maximum	9	23.8	8	23.9	9	23.5	14	25.7	18	23.0	24	23.7	27	25.2
Mean Max.	3.7	22.7	3.1	22.6	5.8	22.1	10.2	21.7	14.8	22.0	18.9	22.5	20.8	23.0
Mean Min.	-0.2	17.4	-0.4	17.2	1.1	14.1	4.7	14.0	9.2	15.5	13.3	17.3	16.2	19.5
Minimum	-6	8.8	-3	6.2	-2	6.6	-3	8.2	7	5.8	9	10.1	14	9.1
														TEXAS TOWER
1958-1961	5.2	25.0	4.6	25.3	4.1	25.4	5.4	25.2	8.1	25.6	10.9	26.3	14.0	26.2
Mean	5.2	25.0	4.6	25.3	4.1	25.4	5.4	25.2	8.1	25.6	10.9	26.3	14.0	26.2
Maximum	8	26.7	7	27.7	5	27.5	8	26.1	12	27.3	14	28.3	16	28.0
Mean Max.	7.2	25.8	6.7	26.8	4.6	26.3	7.1	26.0	9.6	26.7	12.9	28.0	15.2	27.8
Mean Min.	3.7	24.4	2.6	24.6	3.5	25.0	4.4	24.6	6.1	24.8	9.4	24.8	12.6	25.0
Minimum	3	23.9	1	24.1	3	24.6	4	24.5	6	24.7	8	24.6	12	25.0
														CAPE COD CANAL
1955-1959	1.3	23.4	0.9	23.3	2.2	23.3	5.2	23.2	9.4	23.0	13.1	23.2	14.3	23.3
1960-1964	1.4	23.4	0.4	23.4	1.9	23.4	5.3	23.2	9.5	23.0	12.5	23.1	15.6	23.4
1965	0.8	23.4	-0.2	23.5	1.6	23.4	4.4	23.2	9.6	23.4	13.3	23.2	13.8	23.4
1966	1.3	23.7	0.2	23.9	2.7	23.7	5.5	23.5	8.8	23.3	12.7	23.3	13.2	23.6
1967	2.4	23.6	0.7	23.6	0.9	23.6	3.9	23.4	7.3	22.8	11.9	23.0	14.2	23.2
1968	0.1	23.5	-0.7	23.5	1.1	23.3	6.3	23.5	10.6	23.5	13.2	23.2	15.3	23.4
1969	-0.3	24.1	-0.3	24.2	0.7	24.3	6.4	23.6	10.4	23.5	13.9	23.7	16.6	23.6
1970	0.5	23.5	1.3	23.3	2.2	23.3	5.6	23.1	10.4	23.4	12.6	23.5	13.9	23.6
1971	0.8	23.5	0.1	23.7	2.1	23.3	5.4	23.2	8.9	23.1	13.4	23.1	13.0	23.6
Mean	1.1	23.5	0.4	23.5	1.8	23.4	5.3	23.3	9.4	23.1	12.8	23.2	14.7	23.4
Maximum	6	24.4	3	24.5	6	24.6	12	24.5	15	24.1	19	25.2	22	25.3
Mean Max.	3.3	23.9	1.9	23.9	3.8	23.9	8.1	23.8	13.2	23.6	16.8	23.9	19.9	24.2
Mean Min.	-0.7	22.9	-0.9	23.0	0.3	22.8	2.9	22.5	6.7	22.5	9.0	22.6	10.3	22.7
Minimum	-2	22.2	-2	22.3	-2	22.0	1	21.8	5	21.5	6	21.9	8	21.9
														CAPE COD CANAL
1955-1959	1.7	23.2	1.4	23.1	2.7	23.2	6.4	22.8	10.2	22.9	15.5	23.1	17.6	23.2
1960-1964	1.0	23.1	0.3	23.1	2.1	23.0	6.0	22.9	10.7	22.8	14.8	22.9	17.7	23.1
1965	0.4	23.1	-0.7	23.1	1.6	23.0	5.1	22.9	10.7	23.0	15.0	23.1	17.1	23.4
1966	0.7	23.7	-0.4	24.0	2.6	23.7	6.0	23.7	9.4	23.4	14.1	23.6	17.4	23.7
1967	2.4	23.9	0.5	23.5	0.9	23.3	4.6	23.3	8.3	22.9	13.4	22.9	16.3	23.0
1968	-0.3	23.2	-0.7	23.4	1.4	23.1	7.2	22.9	11.2	23.0	14.9	23.0	17.4	23.2
1969	-0.1	23.5	0.9	23.6	2.1	23.7	7.1	23.0	11.6	23.0	16.1	23.4	18.8	23.6
1970	-0.5	22.8	0.6	22.5	2.3	22.6	6.1	22.6	10.4	22.9	14.7	23.1	17.2	23.2
1971	-0.2	23.3	0.4	23.4	2.9	22.7	6.5	22.8	10.6	22.6	16.0	22.9	17.3	23.3

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
MASS.–continued															
17.6	23.3	16.6	22.9	12.6	23.0	8.1	22.4	5.6	20.1	10.1	21.5	20	24.0	-1	11.6
19.6	19.4	19.2	19.1	13.3	20.9	10.8	18.0	6.5	20.5	11.7	18.8	24	23.2	0	12.6
18.6	20.9	17.3	21.8	13.0	22.7	7.4	22.2	4.6	19.3	10.7	19.1	21	23.7	1	5.8
18.3	22.5	18.9	22.2	15.3	22.9	9.3	21.5	4.1	21.1	11.0	20.5	22	23.8	-2	9.1
20.0	22.0	18.4	21.9	14.9	22.0	10.1	17.4	5.1	18.2	11.3	20.0	24	24.5	0	6.6
20.2	21.6	17.3	21.3	13.1	21.2	9.2	20.8	1.9	21.9	9.9	19.1	23	24.6	-4	8.2
17.7	20.9	18.8	22.2	15.3	21.0	10.0	21.6	4.8	20.0	10.7	20.4	27	25.2	-6	11.9
18.8	21.9	17.5	21.8	13.5	21.9	9.1	21.5	4.2	21.3	10.3	20.8				
24	24.6	25	24.6	21	24.6	18	23.9	13	25.4			27	25.7		
21.0	23.1	19.8	23.0	16.4	23.2	11.7	22.8	7.1	22.8						
16.8	19.5	15.3	19.1	10.7	18.9	6.3	18.6	1.5	17.9						
10	2.9	13	9.7	6	8.6	2	7.7	-4	8.5					-6	2.9
NO. 2															
16.0	25.8	16.2	25.6	15.3	25.4	11.6	24.6	8.1	25.1	10.0	25.5	18	28.7	1	23.3
16.0	25.8	16.2	25.6	15.3	25.4	11.6	24.6	8.1	25.1	10.0	25.5				
18	26.9	18	28.7	18	27.8	14	26.0	11	27.4			18	28.7		
17.4	26.8	17.2	28.0	16.7	26.6	13.5	25.7	10.4	26.3						
15.0	24.7	15.4	24.2	13.3	24.2	9.6	23.5	5.9	23.7						
14	24.5	14	23.6	13	23.7	9	23.3	5	23.4					1	23.3
(east entrance), MASS.															
16.8	23.2	15.6	23.2	13.0	23.4	9.6	23.3	4.9	23.3	8.9	23.3	23	25.0	-2	21.9
15.9	23.4	16.1	23.4	13.4	23.3	9.4	23.3	4.3	23.4	8.8	23.3	22	25.1	-2	21.5
13.8	23.6	14.7	23.6	11.8	23.6	8.1	23.7	4.3	23.7	8.0	23.5	19	24.3	-2	22.2
14.4	23.6	15.4	23.6	12.3	23.6	9.1	23.7	4.9	23.7	8.4	23.6	21	25.3	-1	22.8
13.8	23.4	15.3	23.4	12.2	23.6	7.9	23.4	3.8	23.4	7.9	23.4	20	25.3	-1	22.1
17.0	23.7	16.2	23.7	14.0	23.8	8.8	23.6	3.4	23.6	8.8	23.5	22	24.7	-2	22.3
17.1	23.7	17.7	23.8	14.7	23.7	10.2	23.7	5.7	23.8	9.4	23.8	22	24.6	-1	22.2
17.2	23.6	16.4	23.6	14.1	23.8	11.3	23.7	5.6	23.8	9.3	23.2	22	25.2	-1	21.8
17.4	23.6	17.2	23.4	14.8	23.7	10.2	23.6	5.6	23.7	9.1	23.5	23	24.9	-2	21.6
16.2	23.4	15.9	23.4	13.3	23.5	9.4	23.4	4.7	23.5	8.8	23.4				
23	25.0	21	25.0	19	25.3	16	24.5	10	24.2			23	25.3		
20.7	24.4	19.5	24.1	16.3	24.0	11.9	23.9	7.4	23.9						
11.2	22.7	12.8	22.9	10.7	22.8	6.7	22.9	1.6	22.9						
8	22.1	9	22.1	8	21.6	4	22.1	-1	22.2					-2	21.5
(west entrance), MASS.															
19.3	23.2	17.5	23.2	13.6	23.2	9.7	23.2	4.5	23.2	10.0	23.1	24	26.4	-1	21.6
18.0	23.2	17.0	23.2	13.7	23.1	9.4	23.1	3.9	23.1	9.6	23.0	23	24.6	-2	21.4
17.1	23.6	16.3	23.6	12.3	23.6	7.7	23.7	3.9	23.8	8.9	23.3	22	24.6	-2	21.7
17.6	23.8	16.7	23.6	12.9	23.6	9.4	23.4	4.9	23.6	9.3	23.6	23	25.3	-2	21.5
18.3	23.2	16.7	23.1	13.7	23.3	8.4	23.3	3.9	23.0	8.9	23.2	22	24.3	-1	21.9
18.3	23.4	17.9	23.6	14.8	23.9	9.3	23.5	3.9	23.4	9.6	23.3	23	24.7	-2	21.3
19.3	23.5	18.4	23.4	14.9	23.3	10.1	23.2	5.1	23.2	10.3	23.4	23	24.5	-1	21.9
20.2	23.3	17.5	23.3	14.6	23.2	10.9	23.2	4.1	23.1	9.8	23.0	23	24.2	-2	21.5
20.8	23.4	20.1	23.4	16.1	23.7	11.2	23.7	5.8	23.4	10.6	23.2	24	24.4	-2	22.0

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
												CAPE COD CANAL		
Mean	0.8	23.2	0.4	23.2	2.2	23.1	6.1	22.9	10.4	22.9	15.0	23.0	17.6	23.2
Maximum	6	24.4	3	24.7	7	24.5	11	24.2	16	24.0	23	25.4	23	26.4
Mean Max.	3.1	23.9	2.1	23.9	4.4	23.7	9.1	23.6	14.2	23.4	19.1	23.8	21.9	24.0
Mean Min.	-1.2	22.4	-0.9	22.5	0.2	22.4	3.6	22.1	7.1	22.3	9.6	22.5	11.2	22.5
Minimum	-2	21.7	-2	21.7	-1	21.9	2	21.3	5	21.6	7	21.9	9	21.4
												WOODS HOLE,		
1944	--	--	--	--	1.9	23.7	5.6	23.6	15.1	23.8	17.3	24.0	21.1	24.0
1945-1949	1.2	23.6	0.4	23.5	2.9	23.7	7.8	23.6	11.8	23.8	16.8	23.9	21.3	24.0
1950-1954	2.8	23.6	1.9	23.6	2.9	23.4	7.2	23.5	11.8	23.6	17.4	23.7	21.3	23.8
1955-1959	1.0	22.9	0.4	22.9	2.4	23.0	6.4	23.0	11.5	23.2	16.7	23.4	20.9	23.4
1960-1964	0.9	22.7	0.0	22.6	2.0	22.6	6.5	22.7	11.7	22.9	17.1	23.1	20.5	23.0
1965	0.8	22.8	-0.6	22.8	1.8	22.8	5.1	22.8	11.7	23.0	16.7	23.1	20.4	23.3
1966	1.3	23.4	-0.1	23.5	2.9	23.3	6.6	23.4	10.6	23.4	16.5	23.4	21.1	23.5
1967	2.7	23.4	0.8	23.3	0.7	23.1	4.6	--	9.4	22.4	15.4	22.5	19.4	22.5
1968	-0.3	22.6	-0.4	22.6	1.4	22.4	7.6	22.4	12.1	22.6	16.5	22.7	20.7	22.8
1969	-0.2	23.1	0.6	22.9	2.6	22.9	7.9	22.8	13.2	23.1	18.5	23.3	20.3	23.4
1970	-0.7	22.5	0.4	22.3	2.2	22.4	6.7	--	12.1	--	17.2	25.0	20.9	25.1
1971	-0.1	24.5	-0.3	24.4	2.3	24.3	5.9	24.4	10.7	24.4	16.9	24.6	20.9	24.9
Mean	1.2	23.2	0.5	23.2	2.4	23.1	6.8	23.2	11.8	23.3	17.0	23.5	20.9	23.6
Maximum	7	25.4	4	24.7	7	24.6	11	26.4	16	25.5	23	25.2	24	25.8
Mean Max.	3.1	23.5	1.8	23.4	4.5	23.5	9.1	23.6	14.4	23.6	19.8	23.8	22.5	24.0
Mean Min.	-0.2	22.9	-0.7	22.5	0.6	22.8	4.4	22.9	8.9	23.0	14.3	23.3	19.0	23.3
Minimum	-2	21.9	-3	12.5	-1	21.8	2	21.7	7	21.8	12	22.1	17	21.8
												NEWPORT,		
1955-1959	2.3	22.7	1.9	22.6	3.3	22.3	6.8	21.9	11.2	22.2	16.2	22.9	19.8	23.2
1960-1964	2.1	22.4	1.3	22.3	2.5	22.3	5.5	22.1	11.1	22.9	16.7	23.2	19.8	23.5
1965	2.9	22.8	1.5	22.8	3.3	22.7	6.3	23.0	11.1	23.0	16.2	23.8	19.8	24.2
1966	2.2	23.2	1.2	23.1	3.7	22.8	6.4	23.1	10.1	23.5	15.9	23.8	20.1	24.2
1967	3.8	22.8	1.7	22.8	2.6	22.8	5.1	22.8	8.3	22.5	14.7	22.1	19.3	22.8
1968	1.2	22.5	1.2	22.4	2.8	22.1	7.7	22.1	11.3	23.2	15.7	23.3	20.6	23.1
1969	2.4	23.1	2.1	23.4	3.1	24.0	8.0	21.8	12.4	22.9	17.2	23.7	19.9	24.3
1970	1.6	22.7	2.4	21.7	3.4	22.6	6.9	22.3	11.1	23.2	16.8	22.7	19.3	23.1
1971	2.7	22.8	1.4	22.5	3.6	21.8	6.2	22.8	9.7	22.9	15.8	22.9	20.2	23.4
Mean	2.3	22.7	1.6	22.5	3.1	22.5	6.3	22.3	10.9	22.8	16.3	23.1	19.8	23.5
Maximum	6	24.6	5	24.5	8	24.6	11	23.8	16	24.7	21	24.7	24	25.2
Mean Max.	3.9	23.4	2.8	23.3	4.7	23.2	8.5	23.2	13.7	23.6	18.8	23.9	21.9	24.2
Mean Min.	0.3	21.7	0.3	21.7	1.4	21.6	4.0	21.2	8.0	21.9	13.3	22.4	17.4	22.7
Minimum	-1	19.6	-2	19.8	0	20.2	3	19.7	6	20.6	11	20.3	16	21.8
												NANTUCKET SHOALS		
1923-1925	5.0	24.0	3.8	24.3	3.7	24.4	5.3	24.4	7.2	24.7	10.4	24.4	12.8	24.2
												NEW LONDON,		
1947-1949	3.1	13.6	2.4	9.7	4.8	8.8	10.1	8.4	14.9	9.0	19.4	11.8	23.2	16.0
1950-1954	3.9	13.0	3.4	12.8	5.2	10.2	9.8	9.8	13.8	10.5	19.1	14.5	21.8	18.5
1955-1959	2.8	13.9	2.7	12.1	4.3	9.6	9.0	9.2	14.7	10.8	18.9	15.2	22.3	16.7
1960-1964	2.5	12.0	2.0	11.4	3.9	10.8	9.5	8.0	14.6	10.7	19.5	14.4	21.9	18.3

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
(west entrance), MASS.–continued															
18.7	23.3	17.4	23.3	13.9	23.3	9.6	23.2	4.3	23.2	9.7	23.2				
24	25.9	23	25.3	19	24.2	17	24.4	9	24.2			24	26.4		
22.4	24.1	20.9	23.9	16.8	23.7	12.3	23.8	7.2	23.7						
12.2	22.5	13.4	22.7	11.1	22.8	6.8	22.6	1.4	22.6						
10	21.5	11	22.1	9	22.1	4	21.9	-1	22.2					-2	21.3
MASS.															
22.1	24.0	20.1	24.1	15.1	24.0	8.9	23.8	3.4	23.7	--	--	24	25.4*	1*	22.3*
21.7	23.9	20.0	24.1	15.7	24.0	10.9	23.9	5.0	23.8	11.3	23.8	25	26.4	-3	12.5
21.7	23.7	19.9	23.9	15.8	23.8	10.8	23.7	5.9	23.5	11.6	23.6	24	24.7	-1	18.1
21.7	23.3	19.9	23.2	15.3	23.4	10.7	23.2	4.9	23.1	11.0	23.2	24	24.5	-2	22.2
21.0	23.0	19.3	23.1	15.2	23.1	10.4	23.0	4.5	22.9	10.8	22.9	23	23.7	-2	21.8
21.2	23.3	18.6	23.4	14.2	23.4	9.2	23.6	5.0	23.5	10.3	23.2	23	23.7	-2	22.2
21.2	23.5	19.2	23.5	14.7	23.4	10.7	23.4	5.6	23.4	10.9	23.4	22	24.0	-2	23.0
20.7	22.4	18.1	22.7	15.5	22.8	9.0	22.8	4.1	22.6	10.1	--	22	23.5*	-1	21.8*
21.3	23.0	19.6	23.1	16.2	23.2	9.4	23.1	3.5	23.0	10.6	22.8	22	23.4	-2	22.1
22.3	23.1	20.1	23.3	15.8	23.4	10.2	23.0	4.2	22.7	11.3	23.1	23	23.7	-2	21.8
22.5	25.2	19.9	25.1	16.5	25.0	11.2	24.9	4.8	24.7	11.1	--	23	25.5*	-2	21.4*
22.1	25.0	20.6	25.0	17.3	25.1	11.3	25.0	5.3	24.9	11.1	24.7	23	25.5	-2	24.0
21.6	23.5	19.7	23.6	15.6	23.6	10.5	23.5	4.9	23.4	11.1	23.4				
25	25.3	23	25.5	20	25.5	17	25.6	10	25.4			25	26.4		
22.9	23.8	21.6	23.9	17.9	23.9	13.3	23.9	7.7	23.7						
20.3	23.0	17.7	23.3	12.9	23.3	7.8	23.2	2.1	23.1						
19	18.1	16	22.5	11	22.3	6	22.3	-1	22.0					-3	12.5
R.I.															
20.8	22.9	18.8	23.2	15.2	23.1	11.0	22.8	5.7	22.9	11.1	22.7	26	25.1	-2	14.2
20.4	23.7	18.6	23.5	15.3	23.3	10.8	22.7	5.5	22.7	10.8	22.9	23	25.7	-1	18.2
20.6	24.0	18.0	24.1	13.4	23.7	9.4	23.6	5.1	23.5	10.6	23.4	22	24.9	-1	22.0
19.8	24.2	18.0	24.1	14.4	23.7	10.4	23.5	6.3	23.2	10.7	23.5	21	24.8	0	22.4
20.2	22.9	16.7	23.7	14.8	23.4	9.3	23.2	5.8	22.7	10.2	22.9	22	24.6	1	21.1
20.1	23.9	19.1	24.1	15.7	24.2	10.4	23.9	4.7	22.9	10.9	23.1	23	24.8	-1	20.4
20.9	23.7	19.5	24.2	16.0	24.1	11.6	23.9	7.1	23.6	11.7	23.6	23	25.1	-1	19.7
20.6	23.3	17.8	23.1	15.8	23.0	11.3	23.1	6.3	22.9	11.1	22.8	22	23.9	-1	19.6
21.3	23.1	19.3	23.3	16.9	23.6	10.7	23.4	6.7	23.5	11.2	23.0	24	24.1	0	20.7
20.6	23.4	18.6	23.5	15.3	23.4	11.3	23.1	5.8	22.9	11.0	23.0				
26	25.7	23	24.9	19	25.1	17	24.6	10	24.2			26	25.7		
22.3	24.3	20.5	24.2	17.4	24.2	13.4	24.0	8.4	23.5						
19.0	22.5	16.6	22.6	12.6	22.5	7.8	22.3	3.0	22.4						
18	14.2	14	18.2	9	20.3	6	20.5	-2	21.0					-2	14.2
LIGHTSHIP															
15.3	25.1	14.7	25.2	13.7	24.4	10.6	24.0	7.8	24.0	9.2	24.4	21	26.9	2	23.2
CONN.															
22.4	19.3	20.7	20.3	16.6	21.3	11.6	17.9	6.5	17.5	13.0	14.5	27	23.8	-1	0.2
22.2	18.5	20.3	18.8	16.6	19.9	11.1	16.0	6.2	12.1	12.8	14.6	26	23.0	-1	2.2
22.9	18.1	20.8	18.4	15.7	16.0	10.8	13.7	5.1	12.0	12.5	13.8	26	23.3	1	2.8
21.9	19.7	19.9	19.2	16.2	18.4	11.0	17.1	4.6	15.6	12.3	14.6	26	22.8	-1	2.5

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
NEW LONDON,														
1965	2.2	14.7	1.9	13.8	4.3	11.3	8.9	11.4	15.5	12.9	18.9	17.0	21.1	19.8
1966	3.3	19.3	1.5	20.1	5.1	10.0	8.4	14.6	13.0	12.3	19.6	14.8	22.8	19.7
1967	3.9	12.6	2.2	15.0	3.9	9.6	7.3	8.0	11.9	6.9	19.0	9.5	22.0	12.3
1968	1.5	12.3	1.6	11.5	3.7	9.8	10.6	10.0	14.7	11.7	17.7	8.2	22.4	13.3
1969	1.6	16.2	2.1	17.6	3.7	13.8	9.3	4.7	14.9	7.3	19.9	15.5	21.6	16.8
1970	1.3	15.1	2.4	7.8	3.8	9.0	8.7	7.1	15.9	9.6	19.4	11.5	21.9	17.4
1971	2.8	13.8	1.5	10.3	3.6	8.6	7.2	12.8	12.9	11.1	19.3	13.9	21.9	18.0
Mean	2.8	13.6	2.4	12.4	4.3	10.1	9.3	9.2	14.3	10.4	19.2	13.9	22.1	17.4
Maximum	7	21.1	6	21.3	11	18.4	16	18.2	21	18.1	26	22.0	26	22.6
Mean Max.	4.3	17.4	3.8	16.6	7.0	14.9	12.0	13.5	17.2	14.4	22.1	17.8	24.3	19.8
Mean Min.	1.4	8.8	1.1	8.0	2.3	5.7	6.4	5.7	11.2	6.8	16.2	9.5	20.0	14.2
Minimum	-1	3.7	-1	2.5	1	0.2	4	2.2	9	3.4	13	4.3	18	6.0
BRIDGEPORT,														
1964	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1965	4.1	19.1	3.1	16.4	5.8	18.6	9.4	17.8	18.4	17.9	21.8	18.7	24.6	19.9
1966	4.0	21.2	3.7	19.9	6.6	19.2	10.2	19.3	15.1	17.7	--	--	25.9	20.2
1967	5.4	19.9	4.0	19.2	4.9	17.5	7.6	18.6	13.3	18.1	20.8	18.2	24.9	18.3
1968	3.2	18.6	2.7	19.4	6.1	17.4	11.7	18.5	15.2	17.5	20.4	17.0	24.9	18.2
1969	2.9	19.2	2.3	19.8	5.4	18.8	11.0	16.1	16.8	17.2	22.6	18.4	24.2	19.4
1970	3.2	18.8	4.1	16.6	5.9	18.1	11.3	15.5	15.9	17.5	20.9	17.3	24.6	18.8
1971	4.6	19.7	4.9	17.8	6.3	17.4	9.7	18.3	15.1	17.3	23.4	18.2	24.9	18.8
Mean	3.9	19.5	3.6	18.4	5.8	18.1	10.1	17.7	15.7	17.6	21.7	18.0	24.8	19.1
Maximum	9	21.7	9	21.7	11	20.9	15	20.4	23	20.2	26	20.3	32	20.9
Mean Max.	6.7	20.6	6.3	20.4	9.2	20.2	13.8	19.4	19.7	19.3	24.4	19.3	28.2	20.0
Mean Min.	1.2	16.3	1.1	15.3	2.7	13.8	6.1	13.7	11.7	14.1	18.4	15.8	21.7	17.3
Minimum	1	12.5	0	9.6	1	9.4	4	10.0	9	11.8	17	13.5	20	15.5
PLUM ISLAND,														
1957-1959	3.1	21.4	1.3	21.4	2.3	21.4	6.0	20.5	10.4	20.0	14.3	21.1	18.4	21.6
1960-1964	2.6	21.4	1.3	21.6	2.5	21.3	5.5	20.8	9.7	20.8	14.6	21.2	18.6	21.8
1965	2.8	21.9	1.2	21.4	2.2	21.5	4.8	21.7	9.8	21.6	16.5	22.2	19.6	22.6
1966	3.2	22.3	1.7	22.3	3.4	21.7	6.2	21.7	8.7	21.5	13.8	22.0	19.7	22.2
1967	4.4	22.0	1.9	21.7	2.5	21.6	4.9	20.9	8.1	21.0	13.5	21.1	18.4	21.2
1968	2.1	21.2	0.6	21.4	1.6	21.2	6.2	20.8	10.3	21.1	14.9	21.1	19.2	21.3
Mean	2.9	21.6	1.3	21.6	2.4	21.4	5.6	20.9	9.7	20.8	14.6	21.3	18.8	21.8
Maximum	8	24.6	4	24.0	5	22.9	9	22.2	18	22.2	20	22.9	24	23.3
Mean Max.	5.3	22.4	2.8	22.4	4.2	22.1	7.7	21.7	13.4	21.6	17.7	22.1	21.4	22.6
Mean Min.	0.6	20.6	-0.7	20.6	0.7	20.2	3.3	19.9	6.4	19.4	11.4	20.5	16.3	20.9
Minimum	-1	19.2	-2	18.9	-1	17.2	2	15.7	4	13.6	9	19.5	15	20.1
MONTAUK, FORT														
1947-1949	2.9	23.0	1.9	22.4	3.3	22.0	6.8	21.7	11.3	22.1	16.9	22.1	20.8	22.4
1950-1954	3.9	22.6	3.0	22.4	3.9	22.2	7.4	21.5	11.2	21.6	16.4	22.0	20.4	22.4
1955-1959	1.9	22.1	1.2	22.1	3.2	22.1	6.2	21.7	11.1	21.7	15.9	22.0	20.1	22.3
1960-1964	1.5	21.9	1.0	21.9	2.4	21.8	6.1	21.4	10.3	21.4	15.9	21.9	19.5	22.3

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
CONN.–continued															
22.1	21.0	19.3	21.9	15.4	21.3	9.9	21.4	6.2	18.6	12.1	17.1	24	22.5	1	7.2
22.3	20.7	20.0	21.2	14.7	19.5	10.9	16.1	6.8	17.9	12.4	17.2	25	22.9	1	6.7
23.2	14.6	18.7	18.8	16.7	16.3	9.6	16.6	5.5	13.6	12.0	12.8	24	21.4	2	4.3
21.9	19.9	20.6	19.4	16.9	20.8	10.2	18.2	4.8	14.8	12.2	14.2	24	22.1	1	4.4
24.3	13.7	20.3	17.9	15.6	17.7	9.7	11.4	4.3	9.6	12.3	13.5	26	21.0	1	3.5
22.9	19.6	20.8	20.2	16.5	19.3	10.9	15.4	5.9	16.3	12.6	14.0	25	21.5	1	4.2
23.3	19.7	20.0	17.7	18.6	18.1	12.6	17.7	5.6	10.3	12.6	14.3	24	22.0	0	5.6
22.5	18.7	20.3	19.2	16.2	18.7	10.9	16.2	5.5	14.1	12.5	14.5				
27	23.1	26	23.3	22	23.8	18	22.8	10	21.6			27	23.8		
24.1	21.3	22.7	21.6	18.9	21.1	13.6	19.9	8.1	18.1						
20.9	15.2	18.1	15.5	13.4	15.3	7.9	11.4	3.1	10.0						
19	2.8	17	4.9	10	3.1	4	3.8	0	4.4					-1	0.2
CONN.															
25.0	20.5	23.6	20.7	17.6	20.5	13.6	20.9	7.4	20.3	--	--	--	--	--	--
27.4	20.5	24.5	20.6	18.3	20.9	12.1	21.5	8.9	20.9	14.9	19.4	30	22.3	0	9.4
26.9	20.8	23.1	20.4	18.2	20.5	16.3	19.4	7.3	20.1	--	--	32	21.7*	1	12.7*
25.6	18.9	23.3	19.9	19.7	20.0	11.4	20.0	7.8	19.0	14.1	19.0	28	21.4	1	12.6
25.8	19.6	24.7	19.6	20.6	20.3	12.8	19.6	6.9	18.4	14.6	18.7	28	21.1	1	8.5
26.9	19.1	25.1	19.7	20.1	20.0	14.8	19.4	8.1	18.9	15.0	18.8	29	21.0	0	10.0
26.1	19.8	25.1	19.9	21.1	20.2	15.1	20.1	9.6	20.2	15.2	18.6	28	21.0	1	9.6
26.3	19.1	25.9	18.3	21.2	18.4	15.1	19.0	--	--	--	--	29	20.8*	1	12.5*
26.3	19.8	24.4	19.9	19.6	20.1	13.9	20.0	8.0	19.7	14.8	19.0				
30	22.0	28	21.7	26	22.2	21	22.3	14	21.8			32	22.3		
28.8	20.9	26.9	21.0	23.1	21.3	17.5	21.0	11.7	21.0						
23.1	18.1	21.6	17.2	15.8	17.8	10.0	17.5	4.4	15.4						
22	15.4	19	14.3	14	13.8	8	14.2	3	8.5					0	8.5
L.I., N.Y.															
20.1	22.1	19.7	22.2	15.9	22.3	11.6	21.7	5.9	21.4	10.8	21.4	23	24.6	-2	13.6
20.0	22.2	18.9	22.4	15.8	22.3	11.7	22.0	6.2	21.8	10.6	21.6	24	24.2	-2	19.5
21.3	22.8	19.8	23.1	15.2	22.9	10.5	22.6	6.6	22.3	10.9	22.2	23	23.8	-1	20.5
20.3	22.6	19.1	22.7	15.2	22.6	11.8	22.4	7.6	22.2	10.9	22.2	22	23.3	-1	20.8
20.6	22.1	19.0	22.1	16.6	22.2	10.9	21.9	6.7	21.7	10.6	21.6	22	23.7	0	20.2
20.3	21.9	19.8	22.4	--	--	--	--	--	--	--	--	22	22.7*	-2	19.9*
20.3	22.2	19.3	24.7	15.8	22.4	11.5	22.0	6.4	21.8	10.7	21.9				
23	24.2	23	23.6	21	23.8	16	23.7	10	23.7			24	24.6		
21.8	23.2	21.6	23.0	18.7	23.1	14.2	22.8	9.4	22.7						
18.6	21.5	17.3	21.8	12.4	21.5	8.7	21.2	3.6	20.6						
17	20.2	16	21.0	11	20.3	4	19.2	2	16.5					-2	13.6
POND BAY, L.I., N.Y.															
21.6	23.0	20.2	23.1	16.4	23.3	11.8	23.2	6.9	23.0	11.7	22.6	24	24.5	-2	20.2
21.2	22.6	19.6	22.9	16.4	23.0	11.4	22.9	6.7	22.5	11.8	22.4	24	23.9	-1	19.7
21.2	22.6	19.7	22.8	15.9	22.6	11.0	22.5	5.3	22.1	11.1	22.2	25	24.0	-2	18.8
20.6	22.5	19.2	22.6	15.4	22.6	10.5	22.5	4.6	22.2	10.6	22.1	23	24.0	-2	20.2

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
													MONTAUK, FORT POND	
1965	0.7	22.1	-0.3	22.1	--	--	6.1	22.0	11.3	22.2	15.1	22.6	19.8	23.0
1966	1.2	22.6	1.0	22.4	3.7	22.5	6.5	22.2	9.9	22.1	15.3	22.5	20.4	23.0
1967	3.3	22.3	1.4	22.2	2.7	--	5.4	21.6	8.9	21.4	15.0	22.0	19.3	22.3
1968	--	--	--	--	--	--	7.3	21.3	--	--	15.3	22.1	21.5	22.2
1969	0.2	22.2	0.8	22.2	2.6	22.4	6.9	22.0	11.9	21.8	17.3	22.2	20.4	22.6
1970	0.1	23.8	1.4	24.0	2.6	24.0	--	--	11.0	23.4	16.3	24.2	19.8	24.5
1971	1.4	24.5	0.8	24.5	2.8	24.4	6.2	24.0	10.8	23.6	17.0	24.2	20.3	24.5
Mean	2.2	22.5	1.5	22.4	3.1	22.3	6.6	21.7	10.8	21.8	16.1	22.2	20.1	22.6
Maximum	9	24.6	5	24.7	8	24.7	11	24.3	16	24.1	22	25.6	24	25.1
Mean Max.	4.3	22.8	3.2	22.8	4.9	22.8	9.0	22.4	13.9	22.4	19.3	22.8	22.2	23.1
Mean Min.	0.1	22.1	-0.1	22.0	1.2	21.8	4.3	21.0	8.1	21.3	12.9	21.8	17.9	22.0
Minimum	-2	21.0	-2	21.2	-2	20.8	3	19.7	7	20.1	11	20.6	16	20.2
													NEW ROCHELLE,	
1969	--	--	--	--	--	--	--	--	--	--	19.4	19.1	21.5	19.0
1970	-0.3	19.4	0.8	18.3	2.8	18.8	8.1	18.2	13.3	18.3	17.7	18.3	20.6	19.1
1971	0.4	20.4	0.3	19.9	3.1	19.6	7.2	19.7	12.3	19.2	17.8	19.0	21.1	19.1
													RYE,	
1957-1960	1.1	19.9	0.5	19.9	1.5	19.4	6.9	19.1	12.9	18.9	17.7	19.2	20.8	19.5
													NEW YORK	
1932-1934	3.2	18.9	1.2	19.0	1.6	19.1	6.0	17.7	11.4	17.8	16.3	18.5	19.1	18.8
1935-1939	1.9	18.2	0.4	17.3	2.3	17.5	5.9	17.4	11.7	17.4	16.6	18.1	19.7	18.5
1940-1944	1.3	19.0	0.5	19.1	2.3	18.4	6.8	17.8	12.8	17.8	17.8	18.0	20.3	18.5
1945-1949	1.8	18.0	1.3	18.4	4.1	17.8	8.3	17.6	12.8	17.4	17.1	17.5	21.0	18.3
1950-1954	3.4	18.9	2.4	18.5	3.8	18.3	8.1	17.4	12.7	17.3	17.6	17.9	20.2	18.3
1955-1959	1.5	18.4	1.0	18.1	2.8	18.2	6.7	17.5	11.9	17.6	16.6	18.1	19.9	18.9
1960-1964	0.9	19.1	0.1	18.4	2.0	18.1	6.6	17.4	12.0	17.6	16.8	18.2	20.0	18.7
1965	2.2	20.1	0.5	19.6	2.0	19.4	6.3	19.8	13.6	18.7	19.0	19.5	21.4	20.1
1966	2.9	19.9	1.7	20.3	5.2	20.2	7.0	19.7	12.0	23.1	18.1	19.2	23.3	19.6
1967	4.4	19.7	2.3	19.1	2.7	18.9	7.1	19.1	9.9	17.5	18.1	18.6	20.9	18.3
1968	0.3	18.3	0.7	18.2	3.2	18.4	8.6	18.0	12.9	17.7	17.4	17.5	21.6	18.2
1969	1.6	19.8	0.7	19.6	2.7	19.5	7.8	17.9	13.1	18.3	19.0	18.8	21.6	19.2
1970	-0.3	18.3	0.8	17.7	2.3	17.8	5.9	16.7	12.0	17.2	16.3	17.6	19.3	18.5
1971	1.1	18.7	0.7	17.7	2.3	17.9	6.3	18.3	10.9	17.3	16.8	18.1	20.1	18.6
Mean	1.9	18.8	1.0	18.5	2.8	18.3	7.0	17.7	12.2	17.7	17.1	18.1	20.3	18.6
Maximum	8	21.5	6	22.4	9	20.7	14	20.5	21	20.0	23	21.0	27	21.2
Mean Max.	3.9	18.8	2.8	19.1	5.3	19.0	10.4	18.5	15.7	18.3	19.8	18.9	22.7	19.4
Mean Min.	0.1	17.9	-0.4	17.4	0.5	17.3	3.9	16.8	8.9	16.8	14.5	17.4	18.2	17.7
Minimum	-2	15.7	-2	11.0	-1	15.0	1	14.5	6	15.3	12	15.6	16	16.4
													NEW YORK	
1927-1929	2.3	15.4	1.9	15.1	3.7	12.4	7.3	12.4	11.6	13.3	17.6	15.3	21.1	15.2
1930-1934	3.9	15.7	2.6	16.1	3.6	14.8	7.3	12.4	12.9	15.0	18.2	16.5	22.2	17.5
1935-1939	3.3	15.1	1.9	15.1	3.9	13.1	7.4	12.4	12.9	14.8	18.7	16.9	22.4	16.9
1940-1944	2.1	15.8	1.6	16.0	3.0	13.5	6.9	11.0	13.3	13.0	19.1	14.8	21.3	16.5
1945-1949	2.7	14.7	1.9	15.3	3.9	11.9	8.8	12.5	13.2	12.0	18.1	13.3	22.2	15.8
1950-1954	4.1	14.2	3.3	13.7	4.6	12.6	8.5	10.3	13.2	12.3	18.3	14.8	22.2	16.7
1955-1959	2.6	15.7	2.3	15.6	3.8	13.4	7.3	11.4	13.2	14.7	18.2	16.3	21.8	17.7
1960-1964	2.3	16.2	1.6	16.3	3.2	14.3	7.4	11.9	13.3	14.4	18.2	16.7	21.6	17.9

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
BAY, L.I., N.Y. –continued															
20.9	23.2	19.4	23.5	14.9	23.2	9.8	23.1	5.7	22.9	--	--	23	23.9*	-2	21.5*
20.8	23.2	19.9	23.4	14.5	22.8	11.2	22.8	6.6	22.7	10.9	22.7	22	24.5	-2	21.6
20.3	22.4	17.8	22.5	16.2	22.6	9.4	22.2	5.1	22.3	10.4	--	23	23.5*	-1	20.8*
21.3	22.3	20.4	22.9	16.9	23.0	10.4	22.9	3.5	22.3	--	--	23	23.5*	-2	20.3*
--	--	19.7	25.2	15.9	25.2	11.7	25.0	5.6	24.2	--	--	21*	25.7*	-1	21.3*
21.6	24.9	19.6	25.1	16.7	25.0	11.6	24.8	6.3	24.5	--	--	23	25.6*	-1	22.6*
21.0	24.8	20.6	25.3	--	--	12.4	24.6	6.7	24.9	--	--	23	25.9*	-1	23.1*
21.1	22.8	19.6	23.1	15.9	23.1	11.1	23.0	5.7	22.7	11.2	22.5				
24	25.4	25	25.9	21	25.7	16	25.5	11	25.1			25	25.9		
22.8	23.4	21.7	23.6	18.6	23.5	13.8	23.4	8.7	23.1						
19.1	22.1	17.7	22.6	13.3	22.6	8.4	22.5	2.6	22.2						
17	18.8	16	21.2	12	21.4	6	20.5	-2	21.1					-2	18.8
N.Y.															
23.4	19.7	21.4	19.5	16.3	19.7	10.5	19.6	4.6	19.4	--	--	24	21.0*	2*	17.1*
--	--	21.6	20.2	17.9	20.2	11.6	19.8	5.2	20.4	--	--	24	21.0*	-1	13.8*
22.6	19.2	22.1	19.3	18.1	18.8	12.4	19.2	--	--	--	--	24	20.9*	-2	15.7*
N.Y.															
21.7	20.2	21.2	20.7	16.9	20.9	10.6	20.8	4.8	20.1	11.4	19.9	25	21.7	-2	18.3
(Willets Point), N.Y.															
21.0	19.5	20.1	19.1	16.3	18.8	8.8	18.6	3.7	19.0	10.7	18.7	27	21.5	-2	16.0
22.1	19.1	20.4	19.0	15.7	18.6	10.2	18.4	4.1	18.2	10.9	18.1	24	21.4	-2	14.8
22.6	19.1	21.3	19.0	16.4	19.0	10.3	19.0	4.6	19.0	11.4	18.6	27	21.0	-2	15.3
22.5	18.6	21.9	18.9	17.4	19.0	12.4	19.2	5.5	18.7	12.2	18.3	26	20.3	-2	15.8
21.6	18.9	21.3	19.0	17.5	19.2	11.7	19.0	6.3	18.5	12.2	18.4	24	21.0	-1	15.2
22.1	19.0	21.3	19.2	16.8	19.0	11.3	18.8	5.7	18.7	11.5	18.5	25	21.2	-2	14.4
21.8	19.2	20.8	19.5	16.5	18.9	11.4	19.1	4.0	18.8	11.1	18.6	27	21.7	-2	12.0
22.6	20.6	22.3	21.1	17.3	19.6	9.8	20.0	6.8	20.4	12.0	19.9	24	21.7	-1	18.2
22.8	20.1	21.4	20.0	15.8	19.6	12.2	19.2	6.7	19.7	12.4	20.0	25	20.9	0	18.2
21.9	18.6	20.2	18.7	17.2	18.9	9.7	18.4	5.8	18.1	11.7	18.7	24	20.9	-1	15.3
23.1	19.0	21.8	19.5	17.6	19.7	9.0	19.7	5.0	19.7	11.8	18.7	25	21.3	-1	16.9
22.7	19.6	21.2	19.2	17.1	19.2	13.3	20.8	4.5	19.0	12.1	19.2	24	23.2	-2	17.2
22.1	18.8	20.9	19.4	17.7	19.5	12.1	19.2	5.4	19.2	11.2	18.3	26	20.0	-1	15.8
21.6	18.9	21.9	18.4	18.5	18.4	12.2	18.2	6.7	18.2	11.6	18.3	24	19.5	-1	11.0
22.1	19.1	21.2	19.2	16.8	19.0	11.1	19.0	5.1	18.8	11.6	18.6				
27	21.4	27	21.7	22	21.2	18	22.6	11	23.2			27	23.2		
23.8	19.8	23.4	19.8	19.8	19.7	14.5	19.7	8.4	19.5						
20.4	18.3	18.1	18.5	13.4	18.1	7.5	18.0	1.8	17.9						
18	15.7	16	15.8	10	12.0	2	14.7	-2	14.9					-2	11.0
(The Battery), N.Y.															
21.7	16.6	20.4	16.9	16.2	17.0	10.9	15.5	5.6	15.1	11.7	15.0	24	19.6	-1	5.6
22.8	18.0	21.9	17.7	16.9	17.4	10.9	16.6	6.2	16.3	12.4	16.2	25	20.3	-1	5.6
23.5	17.8	21.1	17.3	16.4	17.5	11.2	16.0	5.7	15.0	12.4	15.7	26	20.4	-1	2.4
23.3	17.5	21.2	17.6	16.6	17.4	11.0	15.6	5.5	15.2	12.1	15.3	26	22.0	-1	4.6
23.1	16.3	21.9	17.1	17.2	16.8	12.4	16.2	6.5	15.7	12.7	14.8	26	19.9	-1	3.5
22.8	17.4	21.2	17.1	17.2	17.6	11.6	15.9	6.8	14.1	12.8	14.7	26	20.7	0	2.2
23.1	17.6	21.4	17.7	16.7	16.2	11.6	15.2	5.8	14.2	12.3	15.5	26	20.6	-2	3.5
22.5	17.9	21.1	17.7	16.8	17.9	11.6	17.7	5.4	16.7	12.1	16.3	25	21.6	-2	0.5

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
													NEW	YORK
1965	2.3	17.8	1.1	16.2	3.8	16.0	7.1	16.2	13.8	16.2	17.7	18.8	21.3	19.3
1966	2.8	16.5	1.1	16.4	3.9	13.2	7.5	15.3	12.7	14.9	17.3	16.6	22.6	19.0
1967	4.6	16.7	2.8	15.3	3.2	15.9	6.9	12.7	10.6	13.7	17.7	16.1	21.8	16.9
1968	1.5	15.2	1.0	15.3	2.7	15.0	8.3	15.1	13.2	13.5	17.9	13.9	21.1	15.1
1969	1.8	15.7	1.4	15.3	3.1	16.5	7.7	12.8	12.8	13.8	19.3	16.1	22.3	16.9
1970	0.4	16.6	1.8	14.0	3.4	15.0	7.1	11.1	13.3	13.9	18.2	16.5	21.0	16.9
1971	2.1	16.2	1.1	15.4	3.6	12.8	7.1	12.6	11.2	12.2	18.1	15.8	21.6	17.4
Mean	2.8	15.5	2.0	15.4	3.7	13.6	7.6	12.1	12.9	13.7	18.3	15.7	21.9	17.0
Maximum	7	20.6	6	19.7	8	19.5	12	18.4	18	18.7	24	20.1	26	20.4
Mean Max.	4.6	18.0	3.3	17.7	5.4	16.8	10.2	15.1	15.8	16.3	20.9	17.7	23.4	18.6
Mean Min.	1.2	12.3	0.6	11.9	2.0	9.3	5.3	8.3	10.0	10.2	15.6	13.0	20.1	14.9
Minimum	-2	3.5	-2	6.9	-1	2.4	3	0.5	8	0.7	13	2.2	17	7.9
													BEAR	MOUNTAIN,
1958-1962	0.7	-0.6	0.4	-0.8	1.8	-0.7	7.6	-0.8	14.1	-0.9	20.6	-0.8	24.2	-0.4
Mean	0.7	-0.6	0.4	-0.8	1.8	-0.7	7.6	-0.8	14.1	-0.9	20.6	-0.8	24.2	-0.4
Maximum	3	1.0	3	2.9	4	1.7	14	-0.1	19	0.0	26	1.3	27	1.8
Mean Max.	1.9	0.0	1.7	1.1	4.0	0.0	11.8	-0.5	17.9	-0.2	23.9	0.2	26.1	1.2
Mean Min.	-0.1	-1.1	-0.2	-1.4	0.2	-1.3	4.7	-1.2	10.4	-1.3	17.5	-1.3	22.3	-1.2
Minimum	-1	-1.3	-1	-1.5	0	-1.6	4	-1.4	9	-1.4	16	-1.5	21	-1.5
													NEW	YORK
1911-1914	2.3	17.2	1.0	18.1	2.8	15.5	6.8	11.3	12.8	15.2	17.8	17.9	21.3	19.7
1915-1919	2.3	15.6	1.2	16.4	1.7	14.4	6.1	12.8	11.3	15.2	16.6	16.7	20.2	17.3
1920 -- 1927-1928	-0.4	17.6	-0.9	18.7	1.3	13.8	5.3	10.4	10.4	14.1	16.7	16.3	19.0	17.4
	2.6	16.9	2.7	16.8	4.1	14.8	7.4	14.9	11.9	15.4	16.7	16.2	21.9	17.0
Mean	2.1	16.6	1.2	17.3	2.4	14.8	6.5	12.5	11.8	15.2	17.0	17.0	20.8	18.1
Maximum	7	22.4	5	22.3	8	21.3	12	20.6	18	20.8	21	21.1	26	21.8
Mean Max.	4.5	19.8	3.2	20.8	4.7	19.6	9.3	17.0	15.1	18.4	19.6	19.0	23.2	20.1
Mean Min.	0.0	12.5	-0.4	13.1	0.4	8.6	3.8	7.6	9.1	11.3	14.3	14.2	18.6	15.6
Minimum	-2	8.7	-2	8.5	-1	1.7	2	0.8	8	8.9	12	10.6	17	11.7
													SANDY	HOOK,
1887-1889	1.7	14.8	0.2	16.6	2.3	16.0	8.6	13.6	15.3	15.6	20.6	17.6	23.4	18.4
1890-1893 -- 1944	1.0	16.2	1.6	16.5	3.0	15.5	8.8	15.2	14.3	16.6	20.4	18.0	22.4	19.4
	--	--	--	--	--	--	--	--	--	--	--	--	23.4	19.2
1945-1949	1.9	16.6	1.4	17.2	5.1	14.8	9.8	15.8	14.1	15.6	19.4	15.8	23.2	17.6
1950-1954	3.3	16.5	3.1	15.6	5.1	15.6	9.8	14.0	14.6	15.1	20.5	16.8	24.3	18.6
1955-1959	0.9	17.3	1.6	17.0	4.4	16.1	9.0	14.5	15.2	16.3	20.3	18.6	23.9	19.6
1960-1964	1.2	17.6	1.0	17.6	3.9	16.2	8.9	14.7	15.0	16.8	20.4	18.8	23.4	19.7
1965	0.6	19.3	1.4	18.5	4.2	18.0	8.6	17.7	16.7	17.8	19.8	20.7	23.3	21.0
1966	1.7	18.9	1.1	18.2	5.2	16.5	7.9	17.7	13.0	17.3	20.3	18.1	24.5	20.6
1967	3.2	18.2	1.4	16.8	2.8	16.6	7.9	14.9	11.6	16.0	19.2	18.4	23.4	18.4
1968	0.1	16.9	0.0	17.6	3.8	16.3	9.9	16.6	13.3	17.1	18.1	15.2	22.7	17.5
1969	-0.4	18.8	0.2	17.9	2.8	17.5	9.1	15.3	13.9	17.3	19.9	18.8	22.6	19.4
1970	-1.1	17.7	1.2	16.2	3.2	17.4	7.9	13.4	14.1	16.2	24.1	18.5	22.7	19.8
1971	-0.3	18.1	1.2	16.9	3.6	15.5	7.8	15.2	--	--	18.9	17.5	23.2	19.6
Mean	1.4	17.0	1.4	16.9	4.1	15.9	9.1	14.9	14.6	16.2	20.2	17.7	23.4	19.0

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
(The Battery), N.Y. –continued															
22.4	19.6	21.2	19.2	15.4	18.0	9.8	17.8	6.3	16.2	11.8	17.6	23	20.7	0	12.9
22.8	19.4	21.3	19.0	15.4	18.0	11.5	17.5	6.4	16.7	12.1	16.9	24	20.1	-1	11.9
22.7	16.8	20.4	17.6	17.1	17.9	10.2	15.7	6.3	15.0	12.0	15.9	24	18.9	2	9.2
22.8	17.9	21.8	18.2	17.8	18.2	10.4	16.7	5.2	14.2	12.0	15.7	23	19.3	-1	9.3
23.6	16.1	21.9	17.4	16.8	17.7	11.6	15.3	6.1	15.0	12.4	15.7	24	18.8	0	10.1
23.6	17.9	21.8	18.2	17.9	17.2	12.7	16.2	6.9	15.6	12.3	15.8	24	19.9	-2	10.0
22.9	16.6	22.0	14.4	18.6	15.5	13.3	16.1	6.9	13.8	12.4	14.9	24	18.6	-2	9.2
22.9	17.5	21.4	17.5	16.8	17.3	11.4	16.2	6.0	15.3	12.3	15.6				
26	20.7	25	22.0	22	20.6	18	21.6	11	19.9			26	22.0		
24.2	18.9	23.1	19.1	19.5	19.0	14.1	18.5	8.5	17.9						
21.4	15.6	19.2	15.5	14.2	15.0	8.6	13.3	3.5	11.7						
19	8.1	16	3.7	9	4.9	6	6.8	-2	3.5					-2	0.5
HUDSON RIVER, N.Y.															
25.2	-0.2	23.8	0.2	17.8	0.0	10.8	-0.5	3.8	-0.5	12.6	-0.5	29	2.9	-1	-2.0
25.2	-0.2	23.8	0.2	17.8	0.0	10.8	-0.5	3.8	-0.5	12.6	-0.5				
28	0.9	29	2.6	23	1.9	16	1.1	9	1.7			29	2.9		
26.9	0.4	26.7	1.9	21.2	1.0	14.2	0.0	7.7	0.4						
23.6	-0.8	20.8	-0.6	13.3	-1.0	6.8	-1.2	0.8	-1.2						
23	-1.3	19	-1.3	12	-2.0	4	-1.5	0	-1.4					-1	-2.0
(Fort Hamilton), N.Y.															
22.2	20.7	19.9	20.2	15.8	19.3	9.8	17.5	5.3	17.2	11.5	17.5	24	22.6	-2	0.8
21.6	18.6	19.7	18.5	14.7	17.0	9.6	16.8	3.8	16.2	10.7	16.3	24	24.2	-2	4.4
20.7	17.5	19.5	17.7	14.4	16.9	8.9	16.7	--	--	--	--	22	21.8*	-2	6.0*
22.2	17.4	20.2	16.5	16.7	18.0	10.6	15.6	6.8	15.6	12.0	16.3	27	21.6	-1	5.4
21.8	19.0	19.8	18.7	15.3	17.9	9.8	16.8	4.9	16.5	11.1	16.7				
27	24.2	25	23.1	21	22.6	16	22.6	9	22.2			27	24.2		
23.7	20.6	22.3	21.0	17.9	20.5	13.2	19.9	7.9	19.7						
20.2	16.4	17.1	15.7	12.6	14.4	6.8	13.2	2.1	11.3						
18	11.6	14	9.1	10	10.2	5	5.4	-2	7.2					-2	0.8
N.J.															
22.8	17.7	19.3	18.2	11.9	18.2	7.6	16.9	3.6	16.3	11.4	16.7	28	21.7	-2	8.1
23.3	20.0	20.6	18.9	13.7	18.9	7.6	18.6	2.6	18.0	11.6	17.6	28	22.7	-2	7.2
23.6	20.4	20.4	19.7	14.8	19.9	8.7	19.0	2.5	17.6	--	--	28*	24.4*	0*	14.7*
23.2	18.0	21.2	18.6	15.6	18.4	10.3	18.1	4.0	18.0	12.4	17.0	28	23.0	-2	9.3
23.8	18.7	21.1	18.8	16.1	19.1	9.9	18.3	5.0	16.6	13.0	17.0	29	21.1	-1	7.1
24.1	19.5	21.3	19.8	15.7	18.7	9.7	17.6	3.8	16.9	12.5	17.7	28	21.7	-2	9.0
23.4	19.5	20.9	19.7	15.5	19.7	10.0	19.5	3.2	18.9	12.2	18.2	28	22.7	-2	7.9
23.6	21.5	21.2	21.7	14.3	20.9	8.5	20.4	4.3	19.4	12.2	19.7	26	22.7	-2	15.0
23.6	21.4	20.3	20.5	14.3	19.2	10.4	19.3	4.2	18.9	12.2	18.8	28	22.0	-2	12.6
23.1	17.8	19.5	19.0	15.4	20.2	7.4	18.7	4.5	16.5	11.6	17.6	27	21.1	-1	11.3
23.3	19.8	21.2	20.0	15.9	20.3	8.1	19.0	1.9	17.2	11.6	17.8	26	21.2	-2	9.3
23.8	18.1	20.8	18.4	15.2	19.8	9.4	19.3	4.0	17.6	11.8	18.2	26	20.9	-2	11.0
24.2	20.1	21.7	20.5	16.3	20.4	10.8	18.1	3.8	17.6	12.4	18.0	26	21.2	-2	11.4
23.1	18.2	21.4	16.0	17.1	17.9	10.2	17.5	5.8	15.9	--	--	25	21.1*	-2	9.0*
23.5	19.1	20.8	19.2	15.1	19.1	9.4	18.4	3.8	17.5	12.2	17.6				

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
														SANDY HOOK.
Maximum	8	21.1	8	21.6	13	21.3	16	20.7	22	20.6	27	21.7	29	22.7
Mean Max.	3.9	19.2	3.9	19.2	7.4	18.8	12.9	17.7	18.5	18.4	24.2	19.5	26.1	20.3
Mean Min.	-0.6	14.9	-0.4	14.1	1.2	12.7	5.9	12.0	10.7	13.4	16.1	15.7	20.9	17.4
Minimum	-2	9.3	-2	7.2	-1	9.0	4	7.9	8	7.1	12	9.6	19	12.9
														LONG BRANCH.
1948-1949	5.5	--	6.1	--	5.6	22.3	8.2	23.1	12.1	21.9	17.8	21.6	21.1	22.6
1950-1954	3.5	23.2	3.4	23.1	4.1	23.1	7.9	23.9	12.6	23.9	17.8	24.8	20.3	24.8
1955	2.4	22.8	1.2	22.7	3.6	23.0	7.0	23.2	11.9	23.3	16.1	24.2	20.3	24.7
Mean	3.7	23.1	3.5	23.0	4.2	23.0	7.8	23.7	12.4	23.3	17.6	24.0	20.5	24.2
Maximum	8	25.3	8	25.6	7	25.8	13	26.3	16	26.0	23	27.7	25	27.8
Mean Max.	5.2	24.6	5.1	24.6	5.8	24.5	10.9	25.5	15.5	25.3	20.3	25.7	22.6	26.4
Mean Min.	2.2	22.0	2.0	21.9	2.8	21.4	5.6	21.6	9.4	20.9	14.2	22.0	17.8	22.0
Minimum	1	21.7	0	21.7	2	20.5	4	20.6	7	15.0	12	15.6	15	18.1
														ASBURY PARK.
1945-1947	5.1	22.6	3.2	23.1	3.2	23.3	7.2	21.6	10.0	22.2	15.4	21.4	19.0	22.1
														ATLANTIC CITY.
1912-1914	3.1	23.5	1.8	23.8	4.1	23.5	8.6	23.3	13.7	22.7	18.0	23.5	20.6	23.8
1915-1919	2.3	23.2	1.8	23.1	4.0	22.8	8.3	22.7	12.7	22.9	17.7	23.0	20.5	23.2
1920-1924	2.3	22.9	1.0	22.8	3.4	22.7	7.9	22.7	12.7	22.7	18.1	22.7	20.0	23.1
1925-1929	1.9	23.5	2.3	23.5	4.4	23.4	8.1	23.1	12.8	23.5	17.4	24.0	20.1	24.0
1930-1934	3.9	23.3	2.3	23.5	3.7	23.4	7.9	23.3	12.9	23.7	17.9	24.0	20.7	24.0
1935-1939	3.3	22.9	2.4	22.9	5.1	23.1	8.4	22.9	13.5	23.4	18.6	23.6	21.3	23.4
1940-1944	1.9	23.6	1.8	23.7	3.7	23.6	8.1	23.1	13.5	23.6	18.7	23.6	20.5	23.9
1945-1949	3.2	22.9	2.5	23.1	5.2	22.7	9.7	23.2	13.7	23.4	18.5	23.2	21.2	23.4
1950-1954	4.7	23.3	4.2	23.2	5.6	23.1	9.4	23.1	13.8	22.8	18.1	23.2	22.1	23.5
1955-1959	2.4	22.7	2.5	22.9	4.8	22.7	8.6	22.6	13.1	22.8	18.2	23.2	20.1	23.4
1960-1964	2.6	22.9	2.3	23.0	4.0	22.8	8.8	23.0	13.4	23.0	17.6	23.6	20.2	23.6
1965	3.0	23.0	1.9	22.8	4.3	22.7	7.6	22.3	13.1	23.1	15.2	23.5	19.3	23.5
1966	2.9	23.6	1.3	23.3	5.1	23.3	8.1	23.5	12.9	23.3	15.4	23.9	19.1	24.4
1967	3.9	23.3	2.6	23.3	3.7	22.8	7.7	23.3	10.6	22.9	15.4	23.7	20.0	23.8
1968	1.9	22.9	1.5	23.3	4.0	22.9	9.2	23.4	13.1	23.4	16.8	22.9	20.6	23.5
1969	1.4	22.9	2.0	23.1	4.2	23.7	9.5	23.9	13.5	24.2	18.9	24.3	23.3	23.8
1971	--	--	--	--	--	--	8.3	--	12.3	22.4	17.6	22.5	18.9	23.1
Mean	2.9	23.1	2.3	23.2	4.4	23.1	8.5	23.0	13.2	23.2	17.9	23.5	20.7	23.6
Maximum	8	25.6	7	25.3	11	24.9	16	25.4	19	25.7	24	26.0	27	25.7
Mean Max.	5.1	23.8	4.2	23.9	7.0	23.8	11.6	23.9	16.6	24.0	21.7	24.1	24.0	24.2
Mean Min.	0.6	22.4	0.5	22.4	1.9	22.1	5.8	21.7	10.1	22.0	14.1	22.6	16.2	22.9
Minimum	-2	19.9	-2	20.2	-2	20.2	2	20.1	7	19.9	11	19.7	12	21.1
														CAPE MAY.
1965	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1966	2.1	20.6	1.1	21.2	6.2	21.6	9.0	21.7	14.5	22.6	19.3	22.4	22.4	23.1
1967	3.9	21.4	1.9	19.9	4.2	21.0	9.6	21.6	12.4	21.4	19.4	22.4	22.5	22.7
1968	2.4	20.5	2.6	17.5	6.3	20.7	11.6	21.8	14.8	21.6	21.0	22.0	24.1	22.2
1969	3.6	20.4	4.1	21.5	6.3	21.5	--	--	--	--	--	--	--	--
1970	0.6	18.3	3.2	20.3	5.4	21.5	10.3	21.5	15.9	21.2	20.0	22.6	20.3	23.1
1971	2.4	19.4	2.3	20.7	6.2	18.6	10.4	20.6	14.7	21.6	20.3	22.5	23.5	22.4

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
N.J. -continued															
28	22.3	27	23.1	22	24.4	18	21.5	10	23.0			29	24.4		
26.2	20.4	23.9	20.6	18.7	20.6	12.9	19.9	6.9	19.4						
21.1	17.3	17.4	17.3	11.3	17.5	5.7	16.6	0.5	15.3						
18	9.0	13	11.6	5	9.0	0	10.2	-2	10.4					-2	7.1
N.J.															
21.9	22.5	19.1	23.0	15.6	22.7	12.3	23.3	7.9	23.2	12.8	--	26	26.2	4	15.0
20.5	24.8	18.9	25.5	15.0	24.1	9.8	23.7	5.2	23.1	11.6	24.0	24	28.2	1	20.7
22.8	24.0	21.3	26.0	18.0	25.5	12.2	23.5	6.1	22.9	11.9	23.8	23	27.5	0	20.6
21.2	24.2	19.2	24.9	15.5	23.9	10.7	23.6	6.0	23.1	11.9	23.7				
26	28.2	23	28.1	19	27.0	16	25.8	11	25.0			26	28.2		
22.8	25.8	21.6	26.5	18.3	25.2	13.3	24.7	8.7	24.5						
19.1	22.3	16.6	22.9	12.6	22.1	7.7	22.4	3.1	21.8						
16	20.1	13	20.1	9	21.2	6	22.1	1	21.5					0	15.0
N.J.															
21.4	21.5	20.5	22.0	17.8	22.4	12.9	23.0	7.3	22.4	11.9	22.3	23	24.6	2	14.7
N.J.															
21.8	23.6	20.6	23.8	16.8	23.6	10.7	23.6	5.9	23.7	12.1	23.5	26	24.7	-2	20.2
22.8	23.1	20.8	23.2	16.3	23.2	10.5	23.1	4.5	23.0	11.8	23.0	27	24.4	-2	21.0
21.1	23.1	20.6	23.0	15.9	23.1	10.3	23.0	6.2	22.8	11.6	22.9	26	24.2	-2	19.9
21.4	23.7	20.7	23.5	15.6	23.6	10.2	23.6	4.6	23.5	11.6	23.6	26	25.1	-2	20.5
21.5	23.6	21.5	23.7	16.1	23.9	10.4	23.7	5.3	23.6	12.0	23.6	26	26.0	-2	20.7
22.3	23.4	20.6	23.0	16.0	23.1	10.8	23.3	5.0	23.2	12.3	23.2	27	24.9	-2	20.4
21.1	23.9	20.3	23.8	15.8	23.7	10.5	23.7	4.8	23.5	11.7	23.6	26	25.6	-2	20.2
22.9	23.1	21.7	23.4	16.8	23.4	12.2	23.5	5.8	23.1	12.8	23.2	27	24.8	-1	19.7
22.8	23.4	21.5	23.4	17.1	23.6	11.3	23.2	6.3	23.1	13.1	23.2	27	25.1	1	20.1
21.9	23.3	21.2	23.2	16.7	23.0	11.2	22.8	5.7	22.6	12.2	22.9	26	24.7	-2	20.3
22.1	23.6	20.6	23.4	16.6	23.2	11.3	23.3	5.0	23.1	12.0	23.2	26	25.0	-1	20.2
20.1	--	20.4	--	15.6	24.2	10.6	24.1	6.3	23.8	11.4	--	23	24.6*	0	21.7*
19.2	24.2	20.2	23.9	16.0	23.9	11.6	23.9	5.9	23.6	11.5	23.7	23	24.6	-1	22.0
20.1	22.9	19.7	23.0	16.2	23.6	9.9	23.5	5.6	23.2	11.3	23.3	22	24.4	1	21.9
20.2	23.7	22.6	23.8	17.7	23.9	11.3	23.2	4.2	22.8	11.9	23.3	24	24.2	-1	21.6
21.6	23.9	21.6	23.9	16.8	23.7	11.3	23.5	--	--	--	--	26	24.7*	0	21.9*
20.1	23.0	21.4	22.5	18.5	22.0	11.9	22.6	7.6	22.6	--	--	23*	23.9*	6*	21.2*
21.8	23.4	20.9	23.4	16.4	23.4	10.9	23.4	5.4	23.2	12.1	23.3				
27	25.3	27	25.3	23	25.2	18	25.3	12	24.9			27	26.0		
24.6	24.1	23.6	24.0	19.5	24.0	14.2	24.0	8.6	23.8						
18.4	22.7	17.9	22.6	12.9	22.7	7.3	22.6	2.2	22.4						
14	21.0	14	20.5	8	20.4	3	20.6	-2	20.6					-2	19.7
N.J.															
--	--	--	--	--	--	10.3	21.9	5.9	21.5	--	--	--	--	--	--
22.9	23.2	20.6	23.3	16.2	22.0	10.8	22.0	6.5	20.9	12.6	22.0	26	24.8	-1	15.2
21.3	21.3	19.9	20.7	15.6	21.6	9.7	19.4	7.1	20.8	12.3	21.2	26	24.0	-2	14.8
23.6	22.9	22.7	23.1	16.9	21.6	11.7	20.6	5.7	19.7	13.6	21.2	28	25.0	-1	10.0
--	--	--	--	--	--	10.6	21.3	5.1	19.9	--	--	15*	25.1*	-1	13.9*
24.2	22.9	22.7	22.6	18.1	22.9	12.4	21.7	6.8	20.4	13.3	21.6	27	24.4	-2	14.3
23.1	22.6	23.2	22.7	19.2	20.8	11.7	19.2	7.8	20.0	13.7	20.9	27	24.1	-1	10.2

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
													CAPE	MAY.
Mean	2.5	20.1	2.6	20.2	5.8	20.8	10.2	21.4	14.5	21.7	20.0	22.4	22.6	22.7
Maximum	7	23.9	7	23.9	13	25.1	17	24.0	21	24.1	25	24.0	28	24.4
Mean Max.	5.7	23.1	5.4	23.2	9.8	23.6	14.6	23.5	18.9	23.7	23.8	23.8	25.6	23.9
Mean Min.	-0.7	15.8	-0.7	15.8	2.6	15.5	7.0	17.9	10.8	18.2	15.7	20.5	19.9	20.8
Minimum	-2	12.7	-2	10.0	-1	10.2	6	16.2	9	16.9	12	19.3	18	20.1
													BREAKWATER	
1919-1923	3.1	21.0	2.3	20.9	6.8	20.6	9.6	20.2	14.9	20.9	20.0	20.8	22.9	21.8
--														
1947-1949	3.1	20.0	3.4	20.1	5.9	20.0	10.7	20.4	15.4	20.5	21.1	20.8	23.0	21.7
1950-1954	5.5	20.8	4.9	20.7	6.8	20.9	11.0	20.1	15.9	20.4	20.3	20.6	23.7	21.7
1955-1959	2.4	20.6	2.8	21.0	5.6	20.6	9.9	19.9	15.4	20.5	20.1	21.3	22.7	22.2
1960-1964	2.3	20.9	2.1	21.0	4.3	20.1	10.6	19.6	14.9	20.6	19.5	21.0	22.1	22.0
1965	3.3	22.3	1.8	22.4	5.1	22.2	8.4	21.4	16.3	22.7	18.6	23.3	21.8	23.5
1966	2.4	22.2	1.3	22.3	5.7	22.1	8.4	22.0	14.2	22.0	19.1	22.4	22.9	23.1
1967	3.7	22.0	1.8	20.5	3.6	20.7	9.0	20.7	11.7	20.7	19.1	21.7	22.3	22.1
1968	0.0	19.8	0.4	20.9	3.9	20.9	10.2	21.2	14.3	21.2	19.7	21.5	23.7	21.0
1969	0.4	21.8	1.3	20.8	2.8	20.8	10.2	22.9	14.9	22.7	21.0	23.2	23.2	23.2
1970	0.2	20.9	1.4	21.3	3.6	21.6	9.3	19.2	15.0	19.7	20.0	20.4	20.9	22.2
1971	1.0	20.3	1.8	21.2	5.4	20.3	9.6	20.6	13.4	21.7	19.4	21.9	22.3	22.2
Mean	2.7	20.9	2.5	21.0	5.3	20.7	9.9	20.4	14.9	20.9	20.1	21.3	22.8	22.1
Maximum	10	23.2	8	23.3	16	23.2	16	23.2	21	23.9	28	23.9	30	24.3
Mean Max.	5.1	22.2	4.7	22.1	8.2	21.9	12.9	21.8	17.8	21.8	23.3	22.3	24.8	22.8
Mean Min.	0.3	19.3	0.5	19.3	2.6	18.6	6.6	18.4	11.8	19.6	16.8	19.9	20.8	21.2
Minimum	-2	15.0	-2	15.7	-1	15.7	2	15.0	9	15.1	13	14.5	19	18.7
													PHILADELPHIA.	
1923-1924	1.4	-0.4	0.6	-0.4	3.3	-0.5	9.7	-0.4	15.2	-0.2	23.6	0.1	25.0	-0.4
1925-1929	1.2	-0.7	2.1	-0.7	5.2	-0.7	10.2	-0.6	16.0	-0.4	21.9	-0.3	25.1	-0.2
1930-1934	3.5	-0.2	2.6	-0.3	4.7	-0.2	10.1	-0.1	17.7	0.1	23.7	0.1	26.6	0.2
1935-1939	2.5	-0.5	2.3	-0.5	5.8	-0.5	10.5	-0.4	18.2	-0.1	23.7	-0.1	26.0	-0.1
1940-1944	1.8	-0.7	2.3	-0.7	4.7	-0.7	10.1	-0.7	18.6	-0.3	23.5	-0.3	26.5	-0.3
1945-1946	1.8	-0.9	2.6	-0.8	7.2	-0.8	13.9	-0.4	16.8	-0.4	20.9	-0.3	25.2	-0.4
--														
1954	--	--	--	--	--	--	--	--	--	--	--	--	26.4	-0.2
1955-1959	2.4	-1.0	3.3	-0.9	5.9	-0.9	10.4	-0.8	17.8	-0.6	23.5	-0.3	27.0	-0.4
1960-1964	2.2	-0.5	2.6	-0.5	5.3	-0.5	11.1	-0.4	18.0	-0.3	23.4	-0.3	26.7	-0.4
1965	3.7	-0.3	3.2	-0.3	6.7	-0.2	10.8	-0.1	19.1	-0.4	24.2	-0.4	27.1	-0.3
1966	4.7	-0.1	2.8	-0.2	8.8	0.0	10.7	0.0	17.1	0.0	24.2	-0.2	29.0	-0.5
1967	4.1	-0.2	2.4	-0.2	4.0	-0.1	10.9	-0.1	14.1	0.1	23.9	-0.1	27.2	-0.2
1968	1.9	0.0	2.8	0.3	6.9	-0.4	15.2	-0.1	17.9	0.3	--	--	27.0	-0.5
1969	2.8	-0.8	3.9	-0.8	7.1	-0.7	12.3	-0.4	19.1	-0.3	24.8	-0.2	26.2	-0.1
1970	1.6	-0.5	3.2	-0.4	6.0	-0.3	9.3	-0.3	18.7	-0.2	23.6	-0.2	26.6	-0.6
1971	2.8	-0.8	2.9	-0.8	6.3	-0.7	11.2	-0.6	16.8	-0.3	22.8	-0.5	27.3	-0.4
Mean	2.3	-0.6	2.5	-0.6	5.5	-0.5	10.7	-0.4	17.5	-0.2	23.3	-0.2	26.3	-0.2
Maximum	8	0.3	8	0.5	14	0.2	19	0.5	24	0.8	30	1.2	32	0.9
Mean Max.	4.2	-0.3	4.2	-0.3	8.7	-0.3	14.8	-0.1	20.8	0.2	25.9	0.3	28.1	0.2
Mean Min.	0.9	-0.8	1.0	-0.8	2.7	-0.8	7.1	-0.7	13.9	-0.7	20.2	-0.6	24.3	-0.7
Minimum	-2	-1.5	-2	-1.5	1	-1.4	2	-1.3	8	-1.2	16	-1.2	20	-1.5

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
N.J.–continued															
23.0	22.6	21.8	22.5	17.2	21.8	11.2	20.7	6.5	20.3	13.2	21.4				
27	25.0	26	24.6	23	24.1	20	24.1	12	24.0			28	25.1		
26.0	24.2	24.4	23.9	20.8	23.6	15.7	23.2	10.7	23.0						
20.2	19.9	18.3	20.1	12.9	18.0	6.2	16.9	2.5	15.3						
19	18.5	16	17.6	9	16.6	5	14.0	1	14.3					-2	10.0
HARBOR, DEL.															
22.3	22.2	21.5	22.3	17.1	22.5	10.6	22.2	5.2	21.4	13.0	21.4	26	24.1	-2	16.6
23.5	21.8	21.8	21.9	17.3	21.8	11.7	21.8	6.1	21.5	13.6	21.0	30	23.9	-2	15.4
23.6	22.3	22.3	22.3	17.3	22.3	11.3	22.1	6.8	21.1	14.1	21.3	27	23.9	1	14.5
23.3	22.1	22.2	22.1	16.9	21.9	11.6	21.2	5.7	20.8	13.2	21.2	28	24.3	-2	15.0
23.5	22.2	21.4	21.5	16.4	21.7	11.7	22.0	4.6	21.8	12.8	21.2	26	23.6	-2	15.3
21.2	23.9	21.4	24.1	15.8	23.5	10.1	23.2	6.2	23.2	12.5	23.0	24	24.6	-1	18.5
--	--	--	--	15.8	22.8	11.2	22.8	5.4	21.8	--	--	25*	23.9*	-2	20.9*
22.7	21.8	20.2	20.7	16.9	22.2	8.6	21.8	5.4	21.2	12.1	21.3	24	22.9	-2	18.4
22.6	22.0	20.8	22.4	18.1	23.0	9.4	21.9	1.8	21.8	12.1	21.5	25	23.5	-2	18.6
24.0	21.3	20.2	21.2	15.1	22.2	10.6	22.2	3.5	21.4	12.3	22.0	26	24.0	-1	19.4
22.6	22.2	21.1	22.9	17.5	22.7	11.2	21.3	5.4	20.4	12.3	21.2	23	23.3	-1	15.5
22.7	22.3	21.9	21.1	18.2	20.4	11.1	19.7	5.6	19.7	12.7	21.0	24	23.1	-1	18.7
23.1	22.2	21.7	22.0	16.9	22.1	11.1	21.8	5.3	21.3	13.0	21.4				
28	24.3	27	24.6	23	24.1	18	23.8	12	23.7			30	24.6		
25.1	22.9	24.2	22.8	20.1	22.8	14.4	22.7	8.8	22.2						
21.1	21.0	19.1	21.0	13.2	21.0	7.4	20.4	2.2	20.1						
19	16.2	13	18.6	10	16.8	4	16.5	-2	16.3					-2	14.5
PA.															
25.2	-0.2	22.3	-0.3	16.0	-0.6	10.0	-0.7	4.6	-0.8	13.1	-0.4	27	1.2	0	-1.2
24.6	-0.2	21.9	-0.3	15.6	-0.4	9.1	-0.5	3.3	-0.6	13.0	-0.5	29	0.9	-1	-1.1
26.1	0.1	23.3	0.1	17.1	0.0	9.9	-0.1	4.7	-0.2	14.2	-0.1	30	1.1	0	-1.5
26.9	-0.2	22.5	-0.1	17.1	-0.3	10.0	-0.4	4.1	-0.6	14.1	-0.3	30	1.1	0	-1.2
26.2	-0.3	23.2	-0.4	17.1	-0.5	10.4	-0.5	4.3	-0.6	14.1	-0.5	32	0.7	0	-1.3
24.1	-0.2	23.0	-0.4	17.0	-0.6	12.3	-0.6	5.1	-0.6	14.2	-0.5	28	0.7	1	-1.3
26.3	0.0	23.3	-0.5	21.0	-0.4	10.6	-0.8	4.4	-1.1	--	--	29*	0.2*	2*	-1.2*
26.4	-0.4	24.1	-0.4	18.1	-0.7	11.1	-0.7	4.8	-0.8	14.6	-0.7	30	1.0	-3	-1.9
26.6	-0.3	24.2	-0.2	18.6	-0.3	14.3	-0.1	6.7	-0.3	15.0	-0.3	29	0.5	0	-1.5
27.7	-0.4	24.9	-0.4	19.0	-0.1	12.7	0.1	8.4	-0.2	15.6	-0.2	28	0.3	1	-1.1
27.8	-0.7	24.7	-0.2	16.7	-0.2	12.9	0.1	7.9	-0.1	15.6	-0.2	29	0.3	1	-1.5
26.5	-0.6	23.4	0.0	20.3	-0.2	11.4	0.1	5.7	-0.5	14.5	-0.2	29	0.8	1	-1.0
28.2	-0.5	25.1	-0.5	19.9	-0.5	11.2	-0.8	5.1	-0.9	--	--	29	0.5*	1	-1.2*
25.4	-0.2	24.6	-0.4	19.5	-0.2	12.4	-0.2	5.7	-0.6	15.3	-0.4	28	0.2	2	-1.2
27.2	-0.6	25.3	-0.6	19.7	-0.6	12.3	-0.7	6.6	-0.8	15.0	-0.5	29	0.3	1	-1.2
26.9	-0.2	23.1	-0.5	19.2	-0.4	12.6	-0.5	7.0	-0.6	14.9	-0.5	28	0.3	0	-1.4
26.2	-0.2	23.3	-0.3	17.6	-0.4	10.9	-0.4	4.9	-0.6	14.2	-0.4				
30	1.1	30	1.1	25	0.9	19	0.6	12	0.4			32	1.2		
28.0	0.2	25.6	0.2	21.1	0.1	14.3	-0.1	7.6	-0.3						
24.1	-0.7	20.5	-0.7	13.9	-0.8	7.1	-0.7	2.6	-0.8						
19	-1.3	15	-1.5	8	-1.9	2	-1.3	-3	-1.4					-3	1.5

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
CHESAPEAKE														
1952-1954	6.9	--	6.7	--	7.7	--	11.1	--	16.3	--	21.4	--	24.8	--
1955-1959	4.9	--	4.5	--	6.4	--	9.8	--	15.6	--	20.4	--	23.1	--
1960-1964	5.7	--	4.4	--	5.6	--	9.7	--	15.0	--	20.9	--	23.3	--
1965	--	--	--	--	--	--	9.4	--	12.9	--	19.6	--	23.2	--
1966	6.4	--	2.9	--	6.7	--	9.9	--	14.6	--	18.6	--	24.0	--
1967	--	--	5.6	--	5.9	--	9.2	--	12.6	--	18.4	--	23.1	--
1968	4.7	--	3.3	--	5.4	--	9.7	--	15.0	--	21.7	--	24.7	--
1969	4.9	--	3.8	--	4.6	--	10.4	--	15.0	--	21.4	--	24.8	--
1970	3.6	--	3.7	--	5.3	--	--	--	15.8	--	21.2	--	23.7	--
1971	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mean	5.6	--	4.7	--	6.2	--	9.9	--	15.2	--	20.6	--	23.7	--
Maximum	9	--	8	--	11	--	17	--	21	--	26	--	27	--
Mean Max.	7.3	--	6.0	--	8.5	--	13.6	--	19.1	--	23.4	--	25.6	--
Mean Min.	3.5	--	3.5	--	4.3	--	6.9	--	11.6	--	17.6	--	21.4	--
Minimum	1	--	1	--	2	--	3	--	9	--	13	--	19	--
KIPTOPEKE														
1951-1954	5.8	19.1	6.5	18.5	8.4	17.6	13.8	16.9	19.0	16.2	23.7	17.4	26.3	18.6
1955-1959	3.7	20.3	4.2	19.3	8.1	18.9	11.6	18.0	17.9	18.6	23.6	19.8	25.9	19.9
1960-1964	3.3	19.5	3.2	19.9	5.8	18.6	11.5	17.5	16.7	18.0	21.5	18.6	24.0	19.4
1965	4.6	20.7	3.2	19.9	5.9	19.1	10.4	19.0	17.9	19.3	20.4	19.9	24.4	19.4
1966	3.8	20.8	2.3	20.6	6.8	19.0	10.9	19.7	15.7	19.6	20.4	19.7	24.9	20.3
1967	5.1	19.5	3.8	19.8	6.2	19.5	10.9	18.8	15.0	18.6	20.8	18.9	24.3	18.9
1968	2.1	18.6	1.9	17.4	5.3	17.5	11.9	18.9	17.1	19.0	22.6	18.1	25.0	18.7
1969	3.0	19.2	2.5	19.8	4.7	19.7	11.8	19.5	16.8	20.7	22.9	20.8	25.8	20.7
1970	0.8	19.1	2.9	18.1	5.6	18.9	10.8	16.9	17.3	16.7	21.8	18.6	23.3	18.9
1971	2.8	17.3	2.5	17.9	6.5	16.7	10.7	17.7	16.1	16.9	21.6	17.2	25.1	18.0
Mean	3.7	19.6	3.8	19.2	6.8	18.6	11.7	17.9	17.3	18.0	22.3	18.9	25.1	19.4
Maximum	13	23.4	11	24.1	19	26.4	21	23.0	29	23.7	31	23.1	32	24.3
Mean Max.	6.6	22.7	6.4	22.3	10.4	22.2	15.9	21.7	21.4	21.3	25.8	21.8	27.6	22.2
Mean Min.	1.0	17.0	1.3	16.4	3.9	15.6	8.0	15.2	13.6	14.6	18.3	15.9	22.8	16.5
Minimum	-2	14.6	-2	10.0	1	13.2	6	13.2	8	9.5	14	12.5	21	14.0
CAPE CHARLES														
1947-1949	4.7	15.7	5.1	15.5	8.0	15.5	13.3	15.2	18.2	14.9	23.7	15.7	26.6	17.0
1950-1952	6.1	16.2	5.6	15.7	7.2	14.9	12.4	14.6	18.0	14.5	23.8	15.6	26.5	16.8
Mean	5.5	16.0	5.4	15.6	7.5	15.2	12.8	14.8	18.1	14.6	23.8	15.7	26.6	16.9
Maximum	11	18.8	11	19.6	13	19.1	18	17.5	23	18.3	30	19.8	30	19.9
Mean Max.	7.8	17.2	8.3	17.5	12.1	18.0	16.4	16.4	22.0	16.9	28.2	17.5	28.9	19.0
Mean Min.	2.5	14.9	2.1	13.8	3.6	13.4	10.0	13.0	14.3	12.2	19.6	13.5	23.9	14.6
Minimum	-1	13.3	-1	12.4	2	12.4	7	10.9	13	10.1	19	12.4	23	13.6
VIRGINIA														
1960-1964	5.4	20.0	4.8	19.6	6.5	18.5	11.0	17.8	16.4	17.1	20.5	18.1	22.2	19.8
1965	6.2	21.1	4.2	20.2	6.2	19.5	10.0	19.2	--	--	--	--	--	--
1966	6.2	21.6	3.3	21.0	6.6	21.2	10.6	20.3	15.4	19.7	19.7	19.4	24.3	19.5
1967	6.2	21.7	5.8	21.6	6.5	20.3	10.0	21.1	14.2	20.0	19.9	18.7	22.4	19.6
1968	4.1	18.9	3.8	17.5	6.6	19.4	11.7	19.0	16.1	19.8	21.2	17.9	23.9	18.8
1969	3.9	20.8	3.7	20.1	5.3	20.6	10.7	20.1	15.2	22.0	21.6	21.3	24.3	21.6

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
LIGHT															
24.3	--	--	--	--	--	14.7	--	10.3	--	--	--	27	--	2	--
24.6	--	23.1	--	18.5	--	14.2	--	9.8	--	14.6	--	28	--	1	--
24.1	--	22.5	--	18.8	--	14.4	--	9.4	--	14.5	--	26	--	2	--
--	--	23.0	--	--	--	--	--	10.3	--	--	--	26*	--	7*	--
23.2	--	22.5	--	17.5	--	14.2	--	9.3	--	14.2	--	26	--	1	--
23.0	--	21.1	--	18.8	--	13.6	--	9.5	--	--	--	25	--	4*	--
24.9	--	20.4	--	14.5	--	--	--	8.8	--	--	--	27	--	1	--
24.3	--	23.4	--	19.6	--	13.3	--	5.3	--	14.2	--	27	--	1	--
24.9	--	24.2	--	20.4	--	14.7	--	10.1	--	--	--	26	--	1	--
--	--	--	--	20.7	--	16.1	--								
24.3	--	22.7	--	18.6	--	14.4	--	9.4	--	14.6	--				
28	--	27	--	24	--	21	--	14	--			28	--		
25.9	--	24.8	--	21.0	--	16.8	--	12.5	--						
22.2	--	20.2	--	16.1	--	11.9	--	6.6	--						
19	--	18	--	12	--	8	--	1	--					1	--
BEACH, VA.															
25.9	19.7	23.9	20.0	18.1	20.3	11.9	20.0	7.6	19.6	15.9	18.7	32	24.1	2	9.5
25.8	20.7	23.3	20.5	18.2	20.7	12.2	19.9	7.3	19.5	15.2	19.7	29	26.4	-2	11.1
24.6	20.5	22.6	20.9	17.7	20.4	12.2	20.4	5.6	19.9	14.1	19.5	31	24.4	-1	10.0
24.4	20.7	23.8	21.1	17.4	21.3	11.9	20.9	7.6	20.4	14.3	20.1	27	23.9	-1	15.7
24.0	20.7	22.6	21.1	17.2	19.9	11.8	20.9	6.2	20.6	13.9	20.2	31	23.6	-2	16.1
24.2	18.9	21.0	19.8	17.6	19.2	10.9	18.6	6.8	19.2	13.9	19.1	27	23.7	1	14.6
25.2	19.6	22.9	19.9	19.1	20.3	11.9	19.2	5.5	18.8	14.2	18.8	28	23.3	-1	14.6
24.9	20.0	23.0	19.7	18.0	20.4	11.2	20.3	5.3	19.3	14.2	20.0	28	23.7	1	15.9
25.6	19.4	24.1	20.0	18.7	21.6	12.7	19.6	7.4	18.9	14.2	18.9	28	23.9	-2	13.3
24.4	18.7	23.7	19.4	19.8	19.4	13.5	17.5	7.8	17.9	14.6	17.9	28	22.7	-1	12.9
25.1	20.1	23.2	20.4	18.1	20.4	12.1	19.9	6.7	19.5	14.7	19.3				
29	24.2	29	24.6	24	24.2	21	23.8	13	24.4			32	26.4		
27.5	22.9	26.1	23.0	21.7	23.0	16.0	22.6	10.1	22.5						
22.9	17.5	20.0	17.7	13.7	18.2	8.3	17.7	3.1	16.7						
20	14.6	17	13.1	10	17.1	4	15.7	-1	11.1					-2	9.5
(town), VA.															
26.3	17.1	24.3	17.7	18.9	17.8	13.0	17.9	7.2	17.1	15.8	16.4	31	20.8	-1	11.5
26.1	17.6	23.7	17.9	18.7	17.6	11.8	17.2	6.0	16.4	15.5	16.2	31	20.9	1	10.1
26.2	17.4	24.0	17.8	18.8	17.7	12.5	17.6	6.7	16.8	15.7	16.3				
30	19.5	31	20.0	23	20.9	19	20.8	12	20.4			31	20.9		
29.0	18.9	28.7	19.3	22.2	19.2	17.2	19.7	10.4	18.3						
23.5	15.4	19.2	16.0	15.1	16.3	7.5	16.0	1.9	15.6						
23	15.0	17	15.0	11	15.4	4	15.2	-1	13.7					-1	10.1
BEACH, VA.															
24.0	20.0	22.5	20.3	18.1	20.1	14.2	20.4	8.3	20.6	14.5	19.4	28	26.4	1	13.1
--	--	--	--	--	--	--	--	8.8	21.3	--	--	--	23.6*	2	16.0*
23.4	20.9	--	--	--	--	13.7	21.6	8.5	21.2	--	--	27	27.9*	2	17.1*
22.9	19.2	21.4	19.2	18.9	19.9	12.8	19.8	9.0	18.8	14.2	20.0	26	23.9	4	15.5
24.1	20.0	23.2	19.8	19.7	20.6	13.8	21.5	7.8	20.8	14.7	19.5	26	24.5	3	11.7
23.1	21.9	22.7	20.5	18.8	20.4	12.4	20.6	6.9	21.1	14.1	20.9	27	24.0	2	17.4

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
														VIRGINIA BEACH,
1970	3.1	20.7	4.1	20.5	6.0	18.6	10.2	18.6	17.4	18.5	20.7	20.6	23.2	20.0
1971	4.4	18.2	4.4	18.6	--	--	9.8	18.5	13.9	18.2	15.2	18.4	25.6	20.3
Mean	5.1	20.3	4.4	19.8	6.3	19.4	10.6	19.0	15.7	18.8	20.0	18.9	23.3	19.9
Maximum	10	24.5	8	25.0	12	23.7	17	26.4	22	27.9	26	24.0	28	24.0
Mean Max.	7.1	22.8	6.1	22.1	8.7	22.5	13.9	22.3	18.7	22.8	22.7	22.0	26.1	22.6
Mean Min.	3.2	18.3	2.8	17.5	4.3	17.0	7.8	16.4	12.7	16.0	17.0	16.1	20.2	17.7
Maximum	1	16.2	1	14.6	2	13.5	7	13.5	12	13.1	14	11.7	16	15.7
														LITTLE
1954	5.7	16.3	6.3	16.7	--	--	--	--	18.8	16.0	24.0	16.4	26.3	17.5
1955-1959	3.9	15.8	4.8	14.8	8.3	14.3	12.9	14.4	18.7	14.8	23.3	16.1	26.1	17.7
Mean	4.2	15.9	5.1	15.2	8.3	14.3	12.9	14.4	18.7	15.0	23.4	16.2	26.1	17.6
Maximum	8	17.7	9	18.2	13	18.6	19	17.6	24	19.7	28	20.8	31	19.4
Mean Max.	6.7	17.0	7.7	16.3	10.3	16.1	17.7	16.0	21.9	16.7	26.5	17.8	28.4	18.9
Mean Min.	1.4	13.7	2.4	13.6	6.1	10.9	9.1	11.7	15.7	13.5	20.1	14.6	23.8	16.0
Minimum	-1	11.9	-1	9.1	5	5.0	7	4.9	14	10.0	18	13.3	21	14.1
														OLD POINT
1944-1949	4.7	13.6	5.1	13.1	9.1	12.1	14.3	12.4	19.7	13.0	24.1	13.8	26.8	15.0
1950-1954	6.6	14.1	6.8	12.9	9.0	11.9	13.8	12.1	19.3	12.6	23.9	13.4	26.7	15.2
1955	5.4	14.7	4.2	15.5	10.0	11.7	14.1	13.4	--	--	22.8	15.2	--	--
Mean	5.8	14.0	5.8	13.2	9.1	12.0	14.0	12.3	19.5	12.8	23.9	13.7	26.7	15.1
Maximum	12	17.5	10	18.8	14	16.4	21	17.1	25	16.3	29	19.4	31	18.9
Mean Max.	7.8	15.9	8.1	15.6	12.4	14.5	17.4	14.5	22.7	14.3	26.7	15.8	28.7	16.6
Mean Min.	4.0	11.8	3.4	10.1	6.3	9.8	11.0	9.6	16.4	10.5	20.8	11.5	24.7	13.5
Minimum	2	8.6	-1	5.8	6	7.9	8	4.3	15	6.6	19	9.2	24	11.1
														RICHMOND,
1947-1949	5.2	-1.0	6.2	-1.0	8.8	-0.9	15.0	-0.8	20.2	-0.7	24.9	-0.5	27.3	-0.5
1950-1954	6.2	-0.7	6.8	-0.8	9.3	-0.8	14.9	-0.6	20.5	-0.3	25.6	-0.3	28.1	-0.3
1955-1959	4.4	-0.5	5.9	-0.6	9.5	-0.6	14.4	-0.4	21.6	-0.4	25.4	-0.2	28.8	-0.5
1960-1964	3.5	-0.7	4.6	-0.6	8.7	-0.7	15.1	-0.7	21.0	-0.6	25.2	-0.6	28.0	-0.5
1965	4.1	-0.7	5.2	-0.6	7.1	-0.6	13.7	-0.6	22.6	-0.6	24.7	-0.5	27.4	-0.2
1966	3.9	-0.8	3.4	-0.6	9.1	-0.8	14.1	-0.8	19.1	-0.5	25.0	-0.3	29.2	-0.1
1967	4.7	-0.6	4.5	-0.7	8.1	-0.6	16.1	-0.7	16.8	-0.7	24.9	-0.7	--	--
Mean	4.7	-0.7	5.6	-0.7	8.9	-0.7	14.8	-0.6	20.7	-0.5	25.2	-0.4	28.1	-0.4
Maximum	11	0.0	13	0.3	18	0.8	24	0.4	27	1.5	32	1.0	32	1.7
Mean Max.	7.3	-0.4	8.8	-0.4	12.9	-0.2	19.5	-0.1	24.3	0.2	28.7	0.2	29.9	0.2
Mean Min.	2.2	-1.0	3.0	-0.9	5.6	-1.0	11.1	-0.1	16.7	-1.0	21.1	-1.0	25.5	-0.9
Minimum	0	-1.4	1	-1.4	2	-1.5	8	-1.4	14	-1.4	18	-1.8	22	-1.3
														GLOUCESTER
1950-1954	5.9	14.4	6.4	13.2	8.9	12.8	14.6	12.2	20.1	12.1	24.8	13.2	27.3	14.4
1955-1959	3.9	14.6	4.7	13.7	8.1	13.1	13.2	12.3	19.7	12.3	24.2	13.5	26.9	14.8
1960-1964	3.4	14.6	3.7	14.0	6.8	12.3	12.5	12.2	18.8	12.0	23.2	12.6	25.6	14.5
1965	5.2	15.5	3.7	14.5	6.3	13.1	11.3	12.7	19.4	13.3	22.1	14.7	25.5	15.1
1966	4.2	16.7	2.3	15.7	7.4	14.8	11.5	16.0	17.5	14.2	21.7	14.4	26.6	15.9
1967	4.6	15.7	4.7	15.4	6.7	14.2	12.6	13.7	15.7	14.7	24.6	13.9	25.4	15.1
1968	3.1	13.1	3.8	13.8	7.8	14.1	13.6	13.4	19.2	14.5	23.4	14.1	--	--

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
VA.–continued															
24.5	20.0	23.4	20.3	19.9	19.5	13.1	18.9	9.8	19.3	14.6	19.6	26	21.8	1	14.7
23.4	20.1	24.6	22.1	19.1	18.9	14.2	17.4	8.8	17.0	--	--	26	23.9*	2	16.6*
23.8	20.2	22.9	20.4	18.8	20.0	13.7	20.1	8.4	20.2	14.4	19.8				
28	23.7	28	23.9	23	23.5	18	24.0	13	23.2			28	26.4		
25.9	22.4	25.3	22.4	21.3	21.6	16.4	22.0	11.0	21.9						
21.3	18.2	20.6	18.8	15.9	18.4	11.2	18.5	5.7	18.4						
18	15.7	18	17.4	15	17.5	9	16.7	3	16.2					1	11.7
CREEK, VA.															
26.6	19.0	24.9	19.1	20.5	20.1	12.5	19.2	5.7	17.3	--	--	29	20.8*	3	12.5*
26.6	17.3	23.9	17.2	18.5	17.1	12.9	16.6	7.6	16.3	15.6	16.0	31	21.2	-1	4.9
26.6	17.6	24.1	17.6	18.8	17.6	12.9	17.0	7.3	16.5	15.7	16.2				
31	21.2	29	19.9	26	20.8	19	20.1	13	18.3			31	21.2		
28.6	19.2	26.5	18.6	22.4	18.8	16.3	18.0	10.2	17.8						
24.1	15.8	21.4	16.0	15.2	16.2	9.6	15.6	4.2	14.7						
22	12.6	19	13.8	9	14.5	8	11.4	3	13.5					-1	4.9
COMFORT, VA.															
26.0	15.2	23.9	15.2	18.6	14.9	13.4	15.2	7.3	13.7	16.1	13.9	29	19.2	-1	2.9
26.3	16.1	23.9	16.3	19.1	16.3	12.2	16.4	7.3	15.1	16.2	14.4	31	19.3	3	5.8
--	--	--	--	--	--	--	--	--	--	--	--	--	19.4*	1*	8.0*
26.2	15.7	23.9	15.8	18.8	15.7	12.7	15.8	7.3	14.6	16.1	14.2				
29	19.2	29	18.8	25	19.3	20	18.5	13	18.6			31	19.4		
28.4	17.0	26.7	17.3	22.7	17.1	16.3	17.0	10.3	16.6						
24.1	14.2	21.2	13.7	15.6	14.2	9.2	14.1	4.8	11.8						
23	10.6	18	11.0	12	11.6	6	11.9	3	2.9					-1	2.9
VA.															
27.0	-0.6	24.1	-0.7	17.9	-0.8	11.6	-0.9	6.1	-0.8	16.2	-0.8	31	0.3	1	-1.4
27.4	-0.3	24.2	-0.4	18.6	-0.6	10.8	-0.7	5.6	-0.7	16.5	-0.5	32	0.7	1	-1.7
27.9	-0.5	24.8	-0.5	18.0	-0.4	11.4	-0.5	5.8	-0.6	16.5	-0.5	33	1.0	1	-1.6
27.5	-0.6	24.2	-0.6	18.2	-0.6	11.8	-0.8	4.8	-0.6	16.0	-0.6	31	1.4	-1	-1.8
27.8	-0.2	25.0	0.0	17.6	-0.4	11.0	-0.8	5.9	-0.7	16.0	-0.5	30	1.7	0	-1.4
26.8	0.0	22.3	-0.5	14.9	-0.5	9.4	-0.6	4.8	-0.6	15.2	-0.5	31	2.0	1	-1.3
--	--	--	--	--	--	--	--	--	--	--	--	28*	0.8*	1*	-1.5
27.4	-0.5	24.3	-0.5	18.0	-0.6	11.3	-0.7	5.5	-0.6	16.2	-0.6				
33	2.0	30	1.0	29	1.4	19	0.3	12	0.1			33	2.0		
30.1	0.2	28.0	0.1	22.3	0.1	15.2	-0.3	8.9	-0.3						
24.9	-0.1	20.4	-1.0	13.4	-1.1	7.6	-1.0	2.8	-1.0						
22	-1.5	17	-1.6	10	-1.7	4	-1.5	-1	-1.4					-1	-1.8
POINT, VA.															
27.3	15.4	25.0	15.7	19.8	15.8	13.1	16.1	7.5	15.4	16.7	14.2	32	20.1	3	7.4
26.8	14.6	24.4	14.9	18.8	15.1	12.8	14.9	7.1	14.3	15.9	14.0	31	17.3	0	5.9
26.0	15.4	23.7	15.6	18.4	15.4	12.6	15.6	6.3	15.5	15.1	14.1	29	19.1	-1	3.3
26.2	16.4	24.7	16.8	17.8	17.0	12.2	17.0	7.6	16.9	15.2	15.2	27	17.9	1	10.8
25.4	16.7	23.2	17.4	17.8	16.1	12.6	16.0	7.0	16.9	14.8	15.9	29	17.8	-3	13.1
25.4	16.1	22.2	15.2	18.2	15.6	10.9	15.6	7.5	14.7	14.9	15.0	27	16.8	2	11.6
--	--	--	--	--	--	--	--	--	--	--	--	26*	16.5*	0	11.0*

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
														GLOUCESTER
1971	--	--	--	--	7.4	12.7	12.3	13.1	18.2	13.2	23.6	11.7	26.3	13.9
Mean	4.3	14.7	4.6	13.9	7.7	13.0	13.1	12.6	19.1	12.6	23.8	13.3	26.5	14.6
Maximum	9	19.1	9	17.2	14	16.2	21	16.6	26	15.9	30	16.5	32	17.0
Mean Max.	6.8	16.1	6.8	15.2	11.5	14.4	17.1	14.1	22.4	13.9	27.0	14.5	29.0	15.8
Mean Min.	1.9	13.2	2.4	11.9	4.8	11.0	9.6	11.1	15.6	11.3	20.4	11.9	24.1	12.8
Minimum	-1	11.0	-3	7.5	1	6.4	7	7.9	13	7.3	17	8.4	21	3.3
														WASHINGTON,
1944	2.4	-0.6	3.0	-0.6	7.4	-0.6	13.0	-0.7	23.6	-0.3	26.5	-0.4	29.5	-0.3
1945-1949	3.9	-0.9	4.4	-0.9	9.6	-0.9	16.0	-0.9	20.8	-0.6	25.7	-0.4	28.6	-0.4
1950-1954	4.5	-0.7	5.3	-0.7	8.1	-0.6	14.2	-0.5	19.8	-0.4	25.3	-0.3	28.6	-0.3
1955-1959	2.1	-0.9	3.2	-0.9	7.4	-0.9	13.3	-0.9	20.4	-0.9	24.7	-0.7	28.0	-0.9
1960-1964	1.7	-0.9	2.3	-0.9	6.4	-0.9	13.2	-0.8	19.7	-0.8	25.1	-0.6	27.7	-0.7
1965	2.9	-0.9	2.8	-0.9	6.2	-1.0	12.4	-0.9	21.6	-0.7	25.7	-0.6	27.7	-0.6
1966	2.2	-0.8	1.7	-0.9	8.5	-0.9	11.9	-0.7	18.8	-0.7	25.7	-0.6	29.3	-0.6
1967	2.8	-0.9	3.2	-0.8	5.9	-0.8	14.4	-0.7	16.1	-0.8	25.9	-0.6	27.7	-0.5
1968	1.1	-0.8	2.3	-1.0	7.1	-0.9	16.0	-0.8	18.7	-0.7	23.9	-0.6	29.2	-0.6
1969	1.7	-0.9	2.9	-0.9	6.6	-0.9	15.2	-0.8	21.6	-0.6	26.6	-0.7	28.6	-0.6
1970	1.4	-0.9	3.0	-0.9	6.1	-0.9	11.9	-0.9	21.9	-0.6	25.8	-0.5	26.8	-0.5
1971	1.4	-0.9	2.5	-0.9	6.9	-1.0	13.1	-0.8	17.9	-0.8	24.2	-0.4	28.3	-0.5
Mean	2.7	-0.9	3.4	-0.9	7.6	-0.8	13.9	-0.8	20.1	-0.7	25.3	-0.5	28.2	-0.5
Maximum	10	-0.2	11	-0.2	18	0.5	22	0.2	28	0.8	32	1.0	32	0.5
Mean Max.	4.8	-0.6	6.3	-0.7	11.4	-0.6	18.4	-0.5	23.5	-0.3	26.0	-0.2	30.2	-0.2
Mean Min.	1.3	-1.1	1.6	-1.1	4.3	-1.1	10.2	-1.0	16.1	-0.9	21.4	-0.8	26.3	-0.8
Minimum	0	-1.5	0	-1.5	1	-1.9	7	-1.3	13	-1.4	17	-1.2	24	-1.2
														CRISFIELD,
1959-1961	2.6	11.8	4.4	11.5	7.5	11.1	15.0	10.9	21.9	11.7	26.0	11.8	27.9	11.8
Mean	2.6	11.8	4.4	11.5	7.5	11.1	15.0	10.9	21.9	11.7	26.0	11.8	27.9	11.8
Maximum	7	13.1	10	12.8	14	12.2	24	11.8	28	12.8	33	12.7	32	13.9
Mean Max.	5.9	12.6	9.3	12.2	12.9	11.8	20.7	11.5	25.6	12.2	31.1	12.6	30.8	13.2
Mean Min.	-1.0	11.0	0.9	10.9	3.3	10.5	10.2	10.1	17.8	11.0	21.7	10.9	24.7	10.7
Minimum	-1	10.9	0	10.2	-1	9.7	8	9.9	17	10.5	21	10.3	24	10.7
														SOLOMONS,
1938-1939	4.1	10.0	4.7	9.8	7.7	7.4	13.4	7.4	18.7	7.0	24.1	8.4	25.9	9.4
1940-1944	2.7	11.1	2.4	11.4	5.1	10.2	10.4	7.8	18.7	7.5	24.1	7.9	26.6	9.3
1945-1949	3.3	10.0	3.0	9.9	6.8	8.6	12.5	7.5	17.8	7.5	23.3	6.7	26.6	7.5
1950-1954	4.7	10.0	4.5	8.7	6.4	8.6	12.0	7.2	18.1	6.7	23.6	7.6	26.8	8.4
1955-1959	2.6	10.5	2.8	10.2	6.1	9.3	11.3	7.6	18.4	7.3	23.5	8.1	27.0	9.2
1960-1964	2.7	11.3	2.5	10.7	5.3	9.1	11.4	7.3	18.3	7.2	23.5	7.7	26.2	8.6
1965	4.3	13.2	3.1	12.4	5.6	11.0	10.3	10.0	18.9	8.5	23.3	9.4	26.6	10.3
1966	3.5	13.4	1.4	12.3	6.3	11.1	10.3	9.5	16.7	9.5	23.1	9.2	27.8	10.2
1967	4.0	12.0	3.4	11.8	5.1	10.4	12.2	8.4	15.3	8.0	23.2	8.1	26.6	9.0
1968	2.2	8.7	2.2	8.7	4.7	10.0	11.4	8.0	17.7	8.5	24.4	7.7	27.6	7.9
1969	1.8	10.9	2.1	11.3	4.2	11.9	11.3	12.1	18.2	10.0	23.9	9.8	27.3	9.9
1970	0.6	11.4	1.8	10.4	4.7	9.1	9.7	7.1	--	--	23.9	8.1	26.6	8.5
1971	2.9	10.0	1.2	10.2	6.7	7.3	10.7	6.5	16.4	7.3	23.1	7.5	26.7	8.7
Mean	3.2	10.7	3.0	10.3	5.9	9.2	11.4	7.8	18.1	7.5	23.6	7.8	26.7	8.8

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
POINT, VA. -continued															
26.4	15.8	25.3	15.2	20.3	14.1	15.3	13.4	8.7	13.4	--	--	32	17.0*	5*	10.5*
26.5	15.4	24.2	15.6	18.9	15.5	12.8	15.5	7.1	15.1	14.7	14.3				
31	18.6	29	20.1	26	18.4	21	19.3	12	18.8			32	20.1		
28.4	16.6	27.4	16.6	22.3	16.4	16.3	16.6	10.3	16.2						
24.6	14.0	21.3	14.5	15.3	14.6	9.4	14.3	4.0	13.7						
23	5.9	18	10.1	13	11.4	6	11.3	1	10.5					-3	3.3
D.C.															
28.7	-0.3	25.3	-0.3	17.1	-0.4	10.8	-0.5	3.0	-0.5	15.9	-0.5	31	0.7	1	-1.1
27.9	-0.4	25.3	-0.5	18.9	-0.7	13.1	-0.9	6.1	-0.9	16.7	-0.7	32	1.0	0	-1.5
27.6	-0.4	24.6	-0.5	18.7	-0.5	10.9	-0.6	5.1	-0.7	16.1	-0.5	32	0.7	1	-1.3
27.2	-0.9	24.5	-0.9	18.1	-0.9	11.2	-0.9	4.5	-0.9	15.4	-0.9	31	-0.2	0	-1.4
27.2	-0.7	24.4	-0.7	18.2	-0.8	11.6	-0.7	3.9	-0.8	15.1	-0.8	31	-0.3	0	-1.1
27.6	-0.6	24.9	-0.5	17.3	-0.9	10.9	-0.8	5.9	-0.8	15.5	-0.8	29	0.0	1	-1.3
27.4	-0.6	22.5	-0.6	15.4	-0.8	--	--	4.8	-0.8	--	--	31	-0.3*	0	-1.1*
26.7	-0.6	22.6	-0.6	18.1	-0.7	9.0	-0.8	5.1	-0.7	14.8	-0.7	30	-0.3	1	-1.0
29.2	-0.6	25.0	-0.6	19.4	-0.7	11.1	-0.7	4.3	-0.9	15.6	-0.7	31	-0.4	0	-1.1
26.7	-0.6	25.0	-0.6	18.7	-0.7	10.7	-0.8	3.7	-0.9	15.7	-0.8	30	-0.4	1	-1.1
28.6	-0.5	26.7	-0.5	19.6	-0.6	11.7	-0.8	5.0	-0.9	15.7	-0.7	30	0.0	1	-1.1
27.1	-0.6	24.8	-0.7	18.9	-0.8	11.7	-0.9	6.6	-0.9	15.3	-0.8	29	-0.1	1	-1.1
27.6	-0.6	24.7	-0.6	18.3	-0.7	11.5	-0.8	4.9	-0.8	15.7	-0.7				
32	0.7	31	0.7	26	0.5	21	-0.1	11	-0.1			32	1.0		
29.7	-0.2	28.1	-0.3	22.1	-0.4	15.5	-0.5	8.1	-0.6						
25.2	-0.8	21.1	-0.9	14.6	-0.9	7.7	-1.0	2.1	-1.0						
23	-1.1	17	-1.5	11	-1.1	6	-1.3	0	-1.4					0	-1.9
MD.															
28.4	11.6	24.7	12.2	18.4	12.8	10.7	12.4	4.0	12.0	16.0	11.8	33	14.8	-1	9.7
28.4	11.6	24.7	12.2	18.4	12.8	10.7	12.4	4.0	12.0	16.0	11.8				
31	12.7	30.0	14.3	26	14.8	17	14.4	9	13.3			33	14.8		
31.0	12.3	29.4	13.4	24.2	13.6	15.3	13.2	9.0	12.6						
24.7	10.7	20.0	11.5	11.9	12.0	6.9	11.6	0.6	11.2						
24	10.1	20	10.4	11	10.7	5	10.6	-1	10.6					-1	9.7
MD.															
27.6	9.9	23.6	10.6	18.5	11.2	12.2	12.2	6.3	10.8	15.6	9.5	29	13.1	1	4.1
26.7	10.2	24.1	11.1	18.3	12.3	12.1	12.3	5.8	11.8	14.8	10.2	31	14.8	-1	3.3
26.8	8.0	24.1	9.6	18.5	10.6	13.4	11.5	6.8	10.9	15.2	9.0	31	13.7	-1	3.9
26.7	9.5	24.4	10.5	19.2	11.2	12.1	12.0	6.3	10.9	15.4	9.3	31	13.6	1	3.7
26.9	9.7	24.3	10.6	18.4	11.1	12.6	11.2	6.3	10.8	15.0	9.6	30	14.1	-1	3.7
26.4	9.6	24.1	10.6	18.6	11.6	12.6	12.5	5.8	12.5	14.8	9.9	29	14.4	-1	4.7
27.0	10.9	25.0	11.6	18.5	12.7	12.2	13.4	7.5	13.6	15.2	11.4	29	14.1	1	7.5
26.5	11.6	23.3	12.3	17.2	12.7	12.6	13.0	6.4	12.7	14.6	11.5	31	14.0	-1	8.4
26.6	8.9	23.3	8.5	18.9	9.5	11.5	10.2	6.6	8.8	14.7	9.5	29	12.5	2	0.8
28.1	9.3	24.9	10.6	19.8	11.6	12.3	12.5	6.2	11.3	15.1	9.6	30	12.8	0	6.8
27.1	9.8	24.8	10.2	18.9	11.4	11.6	13.0	5.6	12.6	14.7	11.1	29	13.3	1	6.7
27.7	9.1	26.4	10.4	20.4	11.7	14.9	11.5	7.8	10.2	--	--	29	12.4*	-1	5.0*
26.8	9.1	25.2	--	20.6	9.5	13.8	10.1	7.9	10.0	15.2	--	30	11.5*	-1	5.9*
26.7	9.5	24.3	10.5	18.7	11.4	12.6	11.9	6.3	11.3	15.1	9.7				

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
													SOLOMONS,	
Maximum	9	14.5	8	13.9	14	13.0	21	12.5	26	11.1	29	11.7	31	11.7
Mean Max.	5.3	11.5	4.9	11.2	9.2	10.5	15.5	9.2	22.0	8.6	26.9	8.9	28.9	9.6
Mean Min.	1.3	9.7	1.3	9.2	3.3	7.7	7.9	5.9	14.2	6.1	20.1	6.7	24.6	7.9
Minimum	-1	4.6	-1	5.4	1	4.3	6	0.8	12	3.7	17	3.3	21	5.1
													CAMBRIDGE,	
1945-1953	4.1	6.6	4.1	6.1	7.1	6.1	13.0	5.6	19.1	5.2	24.1	5.3	27.1	5.6
Mean	4.1	6.6	4.1	6.1	7.1	6.1	13.0	5.6	19.1	5.2	24.1	5.3	27.1	5.6
Maximum	12	10.5	9	9.3	15	9.3	19	8.4	24	7.9	29	7.5	32	7.6
Mean Max.	7.4	7.9	7.3	7.2	11.8	7.0	17.0	6.4	23.2	6.0	28.1	6.0	29.9	6.2
Mean Min.	1.9	4.6	1.5	4.7	2.8	5.0	9.7	4.4	14.8	4.2	20.2	4.5	24.5	4.8
Minimum	-1	0.6	-1	1.8	-1	3.7	6	2.3	13	2.7	19	2.8	22	3.3
													GINGERVILLE CREEK,	
1967	--	--	--	--	6.1	6.8	13.2	4.6	16.0	4.7	24.7	4.4	26.7	5.1
1968	--	--	--	--	5.8	7.2	13.8	4.7	17.3	4.7	23.9	4.4	27.6	4.2
1969	--	--	1.9	8.3	5.5	9.1	13.5	8.0	19.7	6.6	25.3	6.1	26.9	6.1
1970	--	--	--	--	5.7	7.0	11.6	4.3	20.7	3.1	24.7	4.2	27.1	4.8
1971	--	--	--	--	6.2	3.8	11.4	3.5	16.5	4.2	25.1	4.4	26.8	5.0
Mean	--	--	1.9	8.3	5.8	6.8	12.7	5.0	18.1	4.7	24.8	4.7	27.0	5.0
Maximum	--	--	2	8.8	13	9.8	19	10.1	26	7.3	28	6.5	30	7.0
Mean Max.	--	--	2.0	8.8	9.7	7.7	16.6	6.5	21.4	5.3	27.3	5.2	29.4	5.7
Mean Min.	--	--	1.1	7.6	2.1	5.6	8.6	4.1	14.7	3.9	20.9	4.0	25.1	4.3
Minimum	--	--	1	7.6	1	3.3	4	2.6	12	2.4	18	3.4	24	3.7
													ANNAPOLIS,	
1947-1949	3.1	6.8	2.8	6.6	5.9	6.3	12.0	3.9	18.0	3.8	23.4	4.0	26.7	5.1
1950-1954	3.9	7.1	3.9	6.1	6.3	6.0	12.0	4.2	18.0	4.2	23.4	4.9	26.9	5.7
1955-1959	1.8	8.2	2.2	8.1	5.7	6.2	11.4	4.5	18.4	4.8	23.3	5.6	26.9	7.3
1960-1964	2.4	8.4	2.3	7.6	6.0	5.9	12.2	4.8	19.0	4.2	24.1	5.4	26.7	6.0
1965	4.5	8.1	3.4	9.8	7.4	8.0	11.7	7.0	20.6	5.7	24.5	6.9	26.9	7.9
1966	3.3	11.0	1.8	9.3	7.8	6.7	10.8	6.8	17.4	5.7	23.9	6.0	27.7	7.1
1967	4.3	10.3	2.6	8.8	5.1	6.4	12.6	5.1	15.4	4.9	23.2	5.5	26.4	6.0
1968	2.2	6.8	2.4	7.7	6.5	7.8	13.9	4.8	17.9	6.0	22.9	4.6	27.7	5.0
1969	2.0	8.0	2.8	8.9	5.0	10.0	12.6	7.2	19.0	5.7	24.1	6.2	27.0	6.7
1970	0.2	7.8	0.9	6.4	3.4	7.1	8.8	2.9	17.7	4.4	23.4	5.9	25.7	5.6
1971	1.2	8.1	0.8	7.9	4.7	--	10.7	4.2	15.5	4.5	22.3	5.2	25.8	6.4
Mean	2.7	7.9	2.6	7.5	5.9	6.5	11.8	4.7	18.2	4.5	23.6	5.3	26.8	6.2
Maximum	11	19.1	8	11.9	13	11.1	20	10.3	27	8.6	31	8.6	32	9.1
Mean Max.	5.0	9.6	5.1	9.0	9.6	8.4	16.1	6.5	21.7	5.6	26.9	6.2	28.9	7.0
Mean Min.	0.8	5.4	0.9	5.0	3.0	4.1	8.2	2.7	14.7	3.4	20.2	4.2	24.7	5.4
Minimum	-1	0.5	-1	-1.3	0	0.7	4	1.0	12	1.6	18	1.9	23	2.8
													BALTIMORE,	
1914	2.5	7.6	1.5	5.3	2.9	6.2	10.5	2.4	18.7	2.6	23.8	4.2	25.8	5.1
1915-1919	1.8	6.0	2.0	5.9	4.9	5.3	10.8	4.3	17.4	3.9	23.2	3.1	25.8	3.1
1920-1924	2.1	5.9	1.9	6.3	6.3	4.3	12.1	2.3	17.2	2.6	23.1	2.9	26.3	3.5
1925-1929	1.8	6.6	2.3	5.6	5.8	4.4	11.2	3.7	16.9	3.5	22.4	3.7	26.1	4.2
1930-1934	4.2	7.7	3.3	7.9	5.1	7.4	11.1	4.4	18.1	4.0	23.7	4.6	26.8	5.3

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
MD.–continued															
31	12.5	29	13.3	26	14.3	20	14.2	12	14.8			31	14.8		
28.8	10.4	26.9	11.2	22.0	12.1	16.0	12.6	9.3	12.2						
24.8	8.6	21.2	9.7	15.5	10.6	9.0	11.1	3.7	10.2						
22	5.5	18	7.6	13	8.0	6	8.2	0	6.0					-1	0.8
MD.															
26.4	5.7	23.3	7.0	17.4	8.0	11.4	8.4	4.9	7.6	15.2	6.4	32	10.5	-1	0.6
26.4	5.7	23.3	7.0	17.4	8.0	11.4	8.4	4.9	7.6	15.2	6.4				
30	8.1	29	9.1	23	10.3	19	10.2	12	10.4			32	10.5		
29.0	6.6	27.3	7.8	21.7	9.0	16.2	9.1	9.3	8.8						
23.7	4.8	19.2	5.8	14.1	7.0	6.7	6.7	1.2	6.2						
22	2.5	16	4.4	10	5.2	4	5.0	-1	2.9					-1	-0.6
SOUTH RIVER, MD.															
25.9	4.9	21.9	6.0	17.0	7.9	7.5	7.3	4.6	5.6	--	--	29	8.3*	2*	3.5*
27.5	5.5	23.6	7.5	18.6	8.7	--	--	--	--	--	--	30	9.1*	1*	3.7*
26.6	5.7	23.3	7.3	--	--	9.2	10.0	3.6	8.3	--	--	30	10.4*	1*	3.1*
27.4	5.1	25.7	7.2	--	--	12.2	7.3	4.2	6.8	--	--	31	8.6*	3*	2.4*
26.3	5.7	24.9	6.0	19.3	5.8	10.8	7.0	--	--	--	--	29	7.8*	2*	3.0*
26.7	5.4	23.9	6.8	18.3	7.5	9.9	7.9	4.1	6.9						
31	6.6	28	8.2	22	9.1	16	10.4	7	10.0			31	10.4		
29.0	6.2	26.3	7.8	21.5	8.3	14.3	8.8	6.3	8.1						
24.6	4.3	20.9	5.9	14.4	6.5	5.4	6.0	2.6	4.7						
23	3.5	18	4.9	12	3.9	3	2.7	1	3.1					1	2.4
MD.															
26.8	5.5	23.3	7.0	17.7	8.9	12.2	10.0	6.2	9.2	14.8	6.4	30	11.8	-1	0.8
26.4	6.9	23.9	8.0	18.3	9.2	11.2	10.0	5.1	8.4	14.9	6.7	32	11.8	0	1.9
26.4	7.9	23.9	8.8	18.2	9.2	11.1	8.8	4.8	7.3	14.5	7.2	31	12.4	-1	0.4
26.5	6.9	24.0	8.1	18.5	9.2	12.4	10.2	5.4	9.8	15.0	7.2	31	13.0	-1	-1.3
26.6	8.6	24.2	9.4	18.7	10.0	11.9	10.9	7.4	10.9	15.6	8.6	31	19.1	1	0.5
26.1	8.7	23.1	9.7	17.3	10.9	12.4	11.2	6.5	10.2	14.8	8.6	31	11.9	-1	3.8
26.1	5.8	23.0	6.6	18.0	8.5	10.7	7.1	5.9	6.0	14.4	6.8	29	11.2	1	3.0
27.8	6.6	24.5	8.2	19.2	9.5	11.5	9.2	4.7	7.8	15.1	7.0	29	10.3	1	3.5
26.7	6.8	24.2	7.9	17.9	9.5	10.3	10.4	4.2	8.9	14.7	8.0	28	11.2	0	4.7
26.3	6.5	24.4	8.7	18.3	9.0	11.7	7.4	5.7	7.0	13.9	6.6	28	10.0	-1	1.1
25.8	6.9	23.9	7.2	18.9	7.9	12.4	8.1	6.0	5.1	14.0	--	29	10.0*	-1	2.3*
26.5	7.0	23.8	8.1	18.3	9.2	11.6	9.6	5.4	8.4	14.8	7.1				
31	10.7	29	11.6	26	12.1	19	12.9	11	13.0			32	19.1		
28.8	7.9	27.2	9.0	21.7	10.3	15.7	10.4	8.7	9.9						
24.4	6.0	20.3	7.1	14.8	7.9	8.1	8.3	2.5	6.0						
20	3.6	17	4.4	12	1.2	6	4.5	-1	0.4					-1	-1.3
MD.															
26.0	5.8	22.5	6.6	18.9	8.9	10.8	9.9	4.5	10.0	14.0	6.2	29	10.9	-1	1.3
26.3	3.6	22.9	5.1	17.6	6.0	11.5	6.3	5.0	6.8	14.1	5.0	29	10.8	-1	1.2
25.6	4.2	23.6	5.4	18.6	6.3	11.8	7.1	6.2	6.7	14.6	4.8	28	8.9	-1	0.7
25.7	4.8	23.7	6.1	17.7	6.3	11.2	5.6	5.4	5.5	14.2	5.0	29	9.6	-1	0.8
26.6	6.0	24.6	6.9	18.8	8.0	11.6	8.5	6.2	8.4	15.0	6.6	29	13.2	-1	1.5

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
														BALTIMORE,
1935-1939	3.3	6.3	2.8	5.6	6.3	4.2	10.9	3.6	18.1	3.4	23.8	4.1	26.6	4.9
1940-1944	2.4	7.9	2.4	8.5	5.0	7.0	10.8	4.4	18.5	3.8	23.8	4.2	26.7	4.9
1945-1949	4.1	6.1	3.4	6.3	7.7	4.8	13.3	3.4	18.4	3.6	23.4	3.1	26.9	3.6
1950-1954	5.0	5.4	4.4	5.0	6.7	5.0	12.3	3.3	17.8	2.8	23.3	3.2	26.5	4.4
1955-1959	3.0	7.6	3.1	6.8	6.2	5.4	11.7	3.8	18.5	3.5	23.1	4.2	26.8	5.3
1960-1964	2.3	7.4	2.3	7.1	5.8	5.5	12.1	3.8	18.2	3.3	23.2	3.9	26.1	4.8
1965	3.9	9.1	3.3	8.3	5.7	7.6	10.9	5.2	19.7	4.7	23.6	5.4	25.8	6.0
1966	3.7	10.0	1.6	9.2	6.8	5.9	9.7	6.7	16.5	4.3	24.6	4.2	27.1	6.2
1967	4.3	7.6	3.2	7.8	5.7	4.8	11.8	4.8	14.9	4.6	24.3	4.9	26.6	5.4
1968	2.1	6.0	2.5	7.8	6.7	7.0	14.0	3.9	16.7	5.6	23.8	4.1	27.4	4.2
1969	2.6	7.2	2.8	8.8	6.3	10.3	14.1	6.4	20.1	4.7	25.0	5.1	--	--
1970	1.5	8.5	3.3	7.6	5.2	6.9	11.1	4.6	19.2	3.3	23.8	4.2	26.4	4.4
1971	3.4	6.8	3.7	6.0	6.8	5.2	11.9	5.4	17.0	5.0	23.2	4.7	--	--
Mean	3.0	6.8	2.8	6.7	5.9	5.6	11.7	3.9	17.9	3.6	23.4	3.8	26.4	4.5
Maximum	8	12.6	8	13.0	16	13.2	20	11.4	25	8.6	29	8.2	32	10.3
Mean Max.	4.6	8.1	4.7	8.0	9.4	7.4	15.6	5.4	21.5	4.6	26.3	4.8	28.3	5.3
Mean Min.	1.3	5.1	1.1	5.1	3.1	3.7	8.3	2.5	14.2	2.6	20.3	2.9	24.3	3.7
Minimum	-2	0.4	-2	1.4	0	0.6	5	0.6	11	0.8	17	0.3	22	0.7
														DIAMOND SHOAL
1923-1928	16.6	26.2	15.6	26.2	14.8	25.6	16.7	25.8	21.1	26.4	24.4	26.5	26.2	26.4
Mean	16.6	26.2	15.6	26.2	14.8	25.6	16.7	25.8	21.1	26.4	24.4	26.5	26.2	26.4
Maximum	23	28.4	23	28.3	24	28.0	24	28.1	27	29.4	28	29.0	29	28.4
Mean Max.	22.4	28.0	22.1	27.8	22.3	27.6	22.4	27.9	25.1	28.4	28.0	28.2	28.8	28.1
Mean Min.	8.0	23.2	7.8	23.4	6.7	22.7	9.6	22.5	15.4	24.0	20.3	23.7	21.6	23.7
Minimum	4	22.4	6	22.2	4	21.5	8	20.7	13	22.2	17	20.0	18	20.4
														BEAUFORT,
1964	--	--	--	--	--	--	--	--	--	--	26.8	25.4	27.5	25.6
1965	10.5	20.9	9.3	20.2	11.3	19.7	16.6	20.7	22.6	23.7	24.3	24.0	27.9	23.7
1966	8.2	23.5	8.6	20.2	12.4	18.4	16.8	23.1	20.8	--	23.9	21.2	27.1	23.1
1967	10.0	21.4	9.6	21.8	9.3	23.4	17.9	23.6	20.1	25.0	24.4	22.4	27.1	25.6
1968	7.4	19.0	7.7	21.0	12.1	24.7	17.7	24.2	22.1	25.1	26.6	26.6	--	--
Mean	9.1	21.2	8.8	20.8	11.3	21.6	17.2	22.9	21.4	24.6	25.2	23.9	27.4	24.5
Maximum	16	26.1	14	25.2	18	26.1	21	26.3	26	26.9	32	27.4	30	26.2
Mean Max.	13.6	24.3	12.8	24.2	16.4	24.7	20.3	25.0	24.2	26.1	28.3	25.7	29.2	25.7
Mean Min.	3.6	16.2	4.9	16.0	8.1	17.2	14.3	19.0	17.5	22.3	21.9	21.3	25.8	22.6
Minimum	2	15.6	4	14.3	7	13.3	14	17.1	14	22.0	18	14.7	24	20.3
														SOUTHPORT,
1946-1949	10.9	12.7	10.0	12.0	12.7	12.3	18.1	12.9	22.9	14.7	26.0	16.8	27.9	14.9
1950-1954	10.9	16.5	11.6	14.9	13.4	12.7	17.6	14.7	22.6	17.1	26.6	20.5	28.0	19.3
Mean	10.9	15.1	10.9	13.8	13.1	12.5	17.8	13.9	22.7	16.0	26.3	18.8	27.9	17.4
Maximum	16	24.9	17	25.5	19	25.6	23	23.8	27	25.1	31	25.2	33	25.9
Mean Max.	13.6	24.0	14.1	23.0	16.5	23.5	21.3	22.2	25.6	23.2	29.4	23.9	30.1	23.1
Mean Min.	7.9	6.2	8.1	4.7	9.7	4.6	13.9	4.6	19.9	8.0	22.7	11.9	25.6	10.0
Minimum	4	1.6	4	-0.8	6	1.5	11	0.9	19	2.6	21	2.5	23	0.1

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
MD. –continued															
27.4	5.5	23.7	6.9	18.3	7.8	12.2	7.7	5.7	7.8	14.9	5.6	30	10.5	-2	0.6
26.6	6.1	24.0	7.9	18.2	8.8	11.8	8.4	6.0	8.2	14.7	6.7	30	12.6	-1	1.2
26.8	4.1	24.6	5.7	19.6	7.1	13.9	7.4	7.4	7.0	15.8	5.2	29	10.5	-2	0.4
26.5	5.9	24.4	6.5	19.5	7.7	12.8	8.2	6.9	6.7	15.5	5.3	30	10.7	0	0.3
26.6	5.8	24.6	6.6	19.0	7.2	12.6	7.5	6.1	6.5	15.1	5.8	30	10.5	0	1.1
26.1	5.8	23.9	6.9	18.7	8.4	12.8	8.8	5.9	8.6	14.8	6.2	30	11.7	-1	0.6
26.3	6.5	24.2	7.3	17.9	8.6	12.4	9.5	7.4	9.4	15.1	7.3	32	10.2	2	3.0
26.1	7.5	22.4	9.6	17.1	--	12.6	9.2	6.1	8.4	14.5	--	29	11.3*	-1	2.7*
26.2	4.8	23.0	7.0	18.3	7.6	10.7	6.4	6.9	5.2	14.7	5.9	29	9.1	0	0.4
27.9	5.9	25.1	7.9	19.9	8.8	12.2	8.4	6.6	6.7	15.4	6.4	29	9.8	0	2.9
26.9	6.4	24.4	7.2	19.4	8.7	12.4	8.6	6.5	9.0	--	--	29*	11.0	1	0.4
27.1	5.3	25.4	7.5	20.9	7.8	13.2	7.4	--	--	--	--	29	9.5*	-1	2.2*
--	--	24.5	7.4	20.7	5.8	15.2	6.8	--	--	--	--	28*	13.5*	1*	3.4*
26.4	5.3	24.0	6.6	18.7	7.5	12.2	7.7	6.1	7.3	14.9	5.8				
30	9.1	29	13.5	25	12.8	21	13.2	12	12.7			32	13.5		
28.3	6.3	26.7	7.7	21.9	8.4	15.7	8.5	8.8	8.4						
24.4	4.3	21.3	5.4	15.2	6.4	8.7	6.6	3.4	6.0						
22	1.4	17	2.3	10	2.7	5	2.6	0	0.4					-2	0.3
LIGHT															
26.9	26.5	25.7	25.7	23.2	26.0	19.3	25.8	18.0	25.9	20.7	26.1	30	29.4	4	19.9
26.9	26.5	25.7	25.7	23.2	26.0	19.3	25.8	18.0	25.9	20.7	26.1				
30	29.3	29	28.7	28	28.5	25	28.8	24	28.6			30	29.4		
29.3	28.4	28.6	27.8	26.9	28.1	24.8	28.3	23.0	27.6						
22.7	23.8	22.2	23.5	18.8	23.0	15.1	23.7	11.3	24.0						
20	22.1	21	22.2	17	19.9	12	21.7	8	23.1					4	19.9
N.C.															
27.1	25.7	25.1	24.6	18.9	--	17.0	19.1	12.6	20.9	--	--	32*	27.2*	10*	14.4*
28.6	24.3	25.4	25.1	--	--	--	--	10.5	25.4	--	--	30*	27.0*	5*	14.3*
27.5	24.3	25.1	24.4	20.8	24.1	14.8	22.2	9.7	22.7	18.0	--	30	26.1*	2*	13.3*
27.4	24.8	23.5	22.3	20.8	23.4	14.3	24.8	13.1	25.3	18.1	23.6	30	26.8	3	16.9
--	--	--	--	--	--	--	--	--	--	--	--	28*	27.4*	4	15.7*
27.7	24.8	24.8	24.1	20.2	23.8	15.4	22.0	11.4	23.6	18.3	23.2				
30	27.0	30	26.8	25	26.0	19	26.7	17	27.0			32	27.4		
30.0	26.3	28.3	26.4	24.4	25.8	18.7	24.6	14.7	25.3						
24.9	22.1	21.7	21.2	16.1	19.6	10.9	17.6	8.3	21.5						
23	20.8	21	19.0	16	19.1	10	14.4	6	19.2					2	13.3
N.C.															
27.9	16.5	25.4	16.0	21.4	17.0	17.1	15.1	12.4	15.0	19.4	14.7	33	26.0	4	0.0
28.0	20.4	25.8	21.3	21.1	21.7	15.6	21.2	11.0	18.2	19.4	18.2	31	27.1	5	-0.9
27.9	18.7	25.6	19.0	21.2	19.4	16.3	18.1	11.7	16.6	19.4	16.6				
31	27.1	29	26.5	26	26.8	24	25.6	18	25.5			33	27.1		
29.9	25.0	28.5	25.1	24.2	25.1	21.1	24.9	15.1	24.4						
25.6	10.3	22.1	12.6	18.1	9.5	11.3	10.3	8.0	8.5						
23	2.1	19	2.1	15	-0.9	7	3.0	5	0.9					4	-0.9

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
														MYRTLE BEACH,
1951-1954	9.8	--	10.8	--	13.4	--	17.4	--	21.7	--	26.2	--	28.2	--
1955-1959	9.3	24.9	10.3	25.1	13.4	24.4	18.0	23.4	22.8	23.3	26.2	24.8	28.2	25.8
1960-1964	8.1	25.6	8.8	24.8	11.7	24.4	16.4	24.4	21.6	25.0	25.7	25.6	27.3	25.9
1965	10.5	23.8	9.3	23.9	11.6	23.5	16.9	23.5	22.8	24.9	--	--	--	--
1966	--	--	6.7	26.2	--	--	--	--	--	--	--	--	--	--
1967	10.0	25.4	9.4	25.4	--	--	18.9	25.2	21.4	25.4	25.2	25.0	27.3	25.4
1968	--	--	8.3	24.8	10.6	25.3	17.5	25.4	22.3	25.4	26.6	25.7	28.6	25.9
1969	7.4	25.1	8.2	25.8	10.5	25.6	18.1	24.7	22.5	24.7	27.2	25.3	28.6	26.5
1970	6.4	24.3	8.2	24.2	12.3	24.1	16.7	24.5	23.3	24.8	26.0	25.0	28.4	26.1
1971	8.9	25.9	--	--	11.7	24.7	15.1	24.7	21.2	--	25.8	--	26.7	26.1
Mean	8.8	25.2	9.4	25.0	12.4	24.5	17.2	24.4	22.1	24.9	26.1	25.3	27.9	25.9
Maximum	13	26.9	14	26.8	18	27.2	23	25.6	28	27.1	29	26.7	31	27.0
Mean Max.	10.7	25.7	11.4	25.5	15.3	25.3	20.1	25.1	25.2	25.6	28.2	26.1	29.5	26.6
Mean Min.	6.8	24.3	7.5	24.1	9.9	23.2	14.5	23.2	18.9	23.9	23.8	24.4	26.4	25.0
Minimum	4	22.8	4	22.1	6	20.9	11	21.3	17	20.7	21	22.5	24	23.1
														CHARLESTON (Customhouse
1922-1924	10.8	21.6	10.9	21.2	14.4	20.3	19.1	19.2	23.1	20.9	27.4	21.2	28.6	21.0
1925-1929	9.9	22.0	11.9	20.1	14.5	19.2	19.2	20.7	22.9	22.1	26.9	22.8	28.5	22.6
1930-1934	12.0	22.7	12.1	21.9	13.4	22.1	18.2	22.2	23.4	23.2	26.7	23.5	29.1	23.5
1935-1939	11.8	22.8	11.2	21.8	15.1	20.8	19.1	21.6	23.5	22.1	27.2	23.1	28.2	23.1
1940-1941	9.2	24.1	8.9	23.4	12.0	22.6	17.8	22.3	22.1	23.8	26.8	24.0	28.2	20.5
Mean	11.0	22.5	11.3	21.5	14.1	20.8	18.8	21.2	23.2	22.4	26.9	22.9	28.6	22.6
Maximum	19	25.5	17	25.1	21	24.9	24	25.2	28	25.6	31	25.5	31	25.9
Mean Max.	13.2	23.9	13.7	23.1	17.2	22.5	21.4	22.8	25.9	23.8	28.9	24.1	29.8	24.3
Mean Min.	8.8	21.2	9.0	19.6	11.0	19.0	15.8	19.7	20.1	20.7	24.6	21.3	27.3	20.4
Minimum	5	15.0	4	13.0	7	14.3	13	14.6	17	16.1	22	15.9	26	8.8
														CHARLESTON (Customhouse
1942-1944	10.3	13.4	10.9	11.3	14.0	11.0	17.9	10.7	23.6	10.9	27.8	11.2	28.1	12.9
1945-1949	11.2	10.7	11.1	9.8	14.3	9.5	19.4	9.4	23.2	9.4	26.4	11.4	28.4	11.6
1950-1954	11.9	13.6	12.7	12.4	14.5	9.7	18.5	10.0	23.5	11.6	27.6	11.7	29.1	12.8
1955-1959	9.4	15.1	11.0	12.0	14.1	9.7	18.3	9.6	23.6	10.5	26.8	11.7	28.8	13.6
1960-1964	9.1	9.4	9.9	8.2	12.7	7.1	17.9	6.7	22.9	9.2	26.6	11.2	28.3	10.9
1965	11.2	8.8	11.1	6.5	12.4	5.3	17.9	5.8	24.3	10.1	26.4	8.8	28.2	8.6
1966	9.9	14.6	9.2	10.6	12.8	5.8	18.0	10.6	22.4	12.6	25.8	9.8	28.2	13.8
1967	10.8	10.4	11.0	10.8	14.6	10.8	20.2	14.8	22.4	17.6	25.6	8.7	28.2	12.1
1968	8.7	7.7	8.4	8.7	12.3	10.4	19.2	13.7	23.2	13.5	26.6	9.0	28.9	10.8
1969	8.7	12.6	9.2	8.5	11.6	7.1	18.9	7.3	22.7	8.5	27.6	10.5	29.9	12.3
1970	7.5	8.6	9.9	10.6	14.2	15.1	19.1	8.7	24.7	12.0	26.9	14.4	28.6	16.0
1971	10.1	9.0	9.6	6.2	12.8	6.0	16.8	7.8	22.8	8.2	26.9	10.4	28.4	11.7
Mean	10.5	11.8	11.0	10.2	13.9	9.1	18.6	9.3	23.2	10.6	26.9	11.2	28.6	12.3
Maximum	19	24.0	17	23.7	21	20.3	24	20.5	28	21.8	31	22.8	32	22.8
Mean Max.	12.7	17.0	13.3	15.4	16.8	14.3	21.6	14.3	25.8	16.0	28.9	17.3	29.8	18.6
Mean Min.	8.4	7.4	8.8	6.2	10.9	5.1	15.6	5.4	20.4	6.3	24.7	6.6	27.2	6.9
Minimum	5	3.3	5	1.7	7	2.0	12	2.0	17	2.6	22	2.6	26	3.0
														CAINHOY,
1951-1952	13.4	12.4	12.8	10.5	15.5	8.4	19.3	6.4	24.0	9.1	27.1	10.5	28.9	9.7

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
S.C.															
27.3	--	25.6	--	20.7	--	15.0	--	10.6	--	18.9	--	31	--	7	--
28.2	26.4	26.4	25.9	21.6	25.3	16.3	25.3	11.3	24.9	19.3	25.0	32	27.2	4	20.7
27.6	26.5	26.0	25.9	21.1	25.6	16.0	25.7	10.4	25.7	18.4	25.4	31	27.7	5	20.9
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	15.1	26.0	10.3	26.1	--	--	--	--	--	--
26.8	26.1	24.3	25.0	21.8	25.5	14.9	26.0	--	--	--	--	29	26.9*	7*	23.8*
26.9	26.9	25.7	26.7	22.7	26.4	15.1	25.9	9.8	25.4	--	--	30	27.1*	6*	24.3*
27.2	25.4	25.9	25.7	21.9	25.9	15.1	25.0	9.8	24.6	18.6	25.4	31	27.0	6	21.6
27.9	26.3	27.9	25.8	22.6	25.8	16.2	25.8	--	--	--	--	30	26.8*	4*	22.8*
28.1	25.4	26.9	24.7	23.2	24.8	17.1	24.6	13.1	25.1	--	--	30	26.9*	7*	22.7*
27.7	26.3	26.0	25.8	21.5	25.6	15.8	25.5	10.8	25.4	18.8	25.3				
32	27.5	30	27.7	26	27.5	23	26.7	16	27.0			31	27.7		
29.6	26.9	28.4	26.6	24.4	26.2	18.9	26.0	13.3	25.9						
25.5	25.1	23.2	24.7	18.1	24.8	13.0	24.8	8.5	24.5						
23	21.6	21	22.7	16	22.8	11	22.8	6	22.9					4	20.7
Wharf), S.C.															
28.3	21.1	26.2	20.8	21.1	19.2	16.4	22.0	12.8	21.9	19.9	20.9	31	24.9	7	2.3
28.9	22.2	27.3	22.0	22.8	22.2	16.4	23.3	11.9	23.3	20.1	21.9	32	25.8	7	7.0
28.5	24.4	27.4	23.1	22.3	23.4	16.3	23.4	12.9	23.7	20.2	23.1	31	26.9	7	12.2
28.8	22.9	26.6	22.1	21.7	22.8	16.8	23.2	10.4	23.5	20.0	22.5	31	25.7	5	13.7
28.4	20.6	26.0	21.5	22.4	23.4	17.5	24.2	13.6	23.3	19.4	22.8	31	25.6	4	8.8
28.7	22.7	26.9	22.1	22.1	22.3	16.6	23.2	12.1	23.2	20.0	22.3				
32	26.0	31	26.4	28	26.9	23	25.6	18	26.0			32	26.9		
30.3	24.5	29.1	24.1	25.4	24.1	19.8	24.2	14.8	24.4						
26.8	20.2	24.2	18.9	18.6	20.3	12.8	21.8	9.8	21.8						
25	16.0	20	7.0	16	2.3	11	18.0	5	17.3					4	2.3
Wharf), S.C. -Second Series															
27.7	13.7	26.2	14.5	21.2	15.1	16.4	14.6	10.7	14.1	19.6	12.8	31	24.6	7	3.4
28.4	12.0	26.3	11.8	21.8	12.5	17.9	12.1	12.4	11.3	20.1	11.0	31	22.8	6	2.4
29.2	15.0	26.6	15.2	22.1	16.8	16.2	16.8	11.4	15.2	20.3	13.4	32	26.2	7	3.8
28.7	15.2	26.9	15.6	21.8	15.4	17.1	14.1	11.7	13.7	19.8	13.0	31	25.6	5	2.0
28.6	11.4	26.6	12.5	21.7	14.5	16.9	14.1	11.4	12.2	19.4	10.6	31	24.5	7	1.7
28.7	9.6	26.8	12.9	21.7	13.2	17.2	13.6	12.6	12.1	19.9	9.6	30	19.7	8	2.1
28.6	12.8	26.7	14.9	22.5	15.9	16.3	13.3	10.9	12.8	19.3	12.3	31	20.2	6	3.3
28.3	10.0	24.3	9.7	21.9	14.0	15.9	14.3	14.4	10.9	19.8	12.0	29	21.8	8	5.4
29.4	12.8	26.1	17.3	23.4	16.8	16.1	13.9	10.4	11.3	19.4	12.2	31	21.3	6	3.8
27.5	9.8	25.8	11.2	22.7	13.3	15.6	11.6	11.3	11.3	19.3	10.3	31	19.2	6	3.1
28.4	12.1	28.7	12.6	23.2	17.5	16.6	12.2	13.8	14.8	20.1	12.9	31	22.3	5	2.8
28.8	8.2	27.4	11.7	23.7	10.0	17.8	12.3	13.8	8.3	19.9	9.2	29	19.0	6	2.7
28.6	12.8	26.7	13.6	22.1	14.7	16.7	14.0	11.9	12.9	19.9	11.9				
32	24.9	31	25.6	28	25.3	23	26.2	18	25.0			32	26.2		
30.2	19.0	28.9	19.7	25.3	21.0	19.9	19.8	14.6	18.4						
26.8	7.8	23.9	8.6	18.7	9.2	13.4	8.9	9.6	8.0						
24	3.5	20	2.4	15	3.4	10	2.7	5	3.8					5	1.7
WANDO RIVER, S.C.															
29.5	9.1	26.9	10.9	22.1	12.7	15.4	13.8	12.8	12.9	20.6	10.5	31	14.8	10	5.4

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
										NORTH	CHARLESTON		TERMINALS,	
1951-1952	12.5	2.6	11.8	1.7	14.4	0.1	17.8	-0.2	23.4	1.0	26.1	0.7	28.8	1.5
													CHARLESTON (Virginia-Carolina	
1951-1952	13.8	15.0	13.0	11.2	15.5	8.5	19.1	8.9	24.2	12.6	27.8	13.4	29.3	13.1
													FORT PULASKI,	
1940-1944	9.4	9.7	10.5	10.6	14.0	7.1	18.4	8.3	23.6	11.4	27.8	13.3	28.6	13.0
1945-1949	11.9	9.0	11.9	7.2	15.6	6.6	20.2	6.6	23.6	8.5	26.9	11.1	28.4	12.7
1950-1954	12.7	12.4	13.4	11.5	15.4	9.1	19.1	8.6	24.2	11.5	28.1	13.4	29.2	15.4
1955-1959	10.1	14.0	12.1	12.5	15.0	11.5	19.3	10.8	24.4	11.1	27.3	12.6	29.3	14.0
1960-1964	9.8	11.4	11.0	9.7	14.0	7.7	18.6	6.7	23.3	8.2	27.2	12.6	28.7	11.6
1965	11.8	6.3	12.1	7.3	14.0	5.8	19.2	4.0	24.2	8.3	26.3	9.2	28.0	8.6
1966	10.3	12.4	10.3	10.4	13.7	4.0	18.7	9.2	22.7	7.6	25.0	7.9	28.1	12.7
1967	11.6	10.2	11.3	10.0	15.3	8.4	21.1	12.3	22.8	11.8	25.5	8.6	27.7	10.2
1968	9.0	7.5	9.3	10.3	13.2	11.1	20.2	11.2	22.9	11.3	26.1	9.6	28.9	12.9
1969	9.6	13.1	10.0	10.1	11.9	10.1	19.4	8.2	21.5	5.8	27.9	9.9	29.8	13.1
1970	7.8	12.3	10.1	11.5	14.7	11.7	19.6	8.1	24.5	13.3	--	--	29.0	12.9
1971	10.8	12.4	10.3	11.9	13.8	8.2	17.9	9.6	22.6	11.0	26.8	11.5	28.6	12.5
Mean	10.7	11.2	11.6	10.3	14.6	8.4	19.2	8.4	23.6	10.1	27.2	12.0	28.8	13.0
Maximum	20	22.0	18	21.6	25	22.1	24	20.8	29	23.7	32	22.0	32	23.1
Mean Max.	13.0	17.9	13.8	16.8	17.7	14.8	21.9	14.3	25.9	15.9	29.1	18.6	30.1	19.8
Mean Min.	8.5	6.5	9.3	5.7	11.4	4.5	16.4	4.0	21.1	5.1	25.1	6.3	27.3	7.4
Minimum	3	0.9	5	-0.3	6	-0.2	13	0.0	18	1.2	23	3.0	26	2.4
													BRUNSWICK,	
1961-1964	12.1	17.0	13.3	14.2	16.3	12.7	20.7	13.2	24.5	15.5	27.8	17.4	28.8	17.4
1965	13.9	13.3	13.7	13.6	15.5	9.8	21.1	11.0	25.7	16.4	26.7	19.5	28.6	19.0
1966	12.4	16.3	11.7	13.3	15.7	8.8	19.3	14.7	24.1	16.4	26.9	13.4	29.3	13.4
1967	13.4	14.8	13.6	13.3	17.4	15.3	22.3	17.7	24.7	21.0	26.9	19.3	28.7	18.9
1968	12.6	17.3	12.0	17.1	14.8	18.4	21.5	18.6	24.6	19.7	28.3	19.1	29.1	19.4
1969	12.2	17.4	13.1	16.9	14.5	15.2	21.1	15.4	23.4	15.5	28.1	14.1	30.1	19.1
1970	10.5	16.0	12.7	15.3	17.4	14.6	22.1	11.1	25.3	16.6	27.7	18.6	29.0	20.5
1971	13.4	18.5	13.9	16.1	16.6	14.6	20.4	13.7	24.9	17.3	27.9	18.5	29.2	18.8
Mean	12.5	16.5	13.1	14.8	16.1	13.5	21.0	14.2	24.6	16.8	27.6	17.5	29.0	18.0
Maximum	18	21.6	19	18.7	23	19.7	26	20.7	29	22.5	31	22.6	31	22.4
Mean Max.	15.6	18.7	15.5	16.7	19.9	15.8	24.4	16.7	26.7	19.8	29.4	19.9	30.3	20.6
Mean Min.	8.8	14.3	10.8	13.2	12.4	11.4	17.5	12.0	21.3	14.5	25.2	15.5	27.3	15.1
Minimum	5	10.7	8	9.5	10	5.4	13	7.7	20	9.0	24	12.2	26	8.2
													FERNANDINA	
1944	--	--	--	--	--	--	--	--	--	--	28.1	21.9	28.0	20.4
1945-1949	14.6	19.8	14.6	19.3	17.3	19.6	21.6	19.8	24.6	22.3	27.3	23.5	28.4	22.8
1950-1954	14.9	22.0	15.9	22.2	18.0	22.3	20.6	22.7	24.8	23.9	28.1	24.9	28.7	24.9
1955-1959	12.7	22.9	14.3	22.8	16.6	21.2	20.4	21.7	25.0	23.1	27.3	24.0	28.4	23.9
1960-1964	11.9	22.4	13.1	21.1	16.0	19.6	20.1	21.0	24.3	22.2	27.3	24.1	28.5	23.3
1965	14.3	18.2	13.8	19.2	15.6	17.9	20.8	18.4	24.7	22.7	26.1	24.3	27.8	23.4
1966	12.6	20.8	12.5	18.9	15.4	17.3	19.7	22.5	24.0	21.5	26.6	19.7	28.4	19.7
1967	13.7	21.5	13.6	19.7	16.9	21.5	22.1	23.5	24.1	25.3	26.8	24.7	28.0	23.0
1968	12.5	23.0	11.3	22.9	14.3	23.5	21.0	24.6	24.7	25.4	27.4	23.7	28.6	24.3
1969	11.7	22.5	12.2	22.6	13.8	20.8	20.6	22.4	23.7	23.3	28.3	23.4	29.6	25.6

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
COOPER RIVER, S.C.															
29.4	1.9	26.9	2.8	21.8	5.0	16.2	5.7	12.6	4.0	20.1	2.2	31	13.7	10	-1.4
Chemical Co. Wharf), ASHLEY RIVER, S.C.															
30.1	12.7	27.4	13.9	22.4	16.3	16.1	17.2	13.0	15.6	21.0	13.2	33	18.8	11	2.8
SAVANNAH RIVER, GA.															
28.7	13.3	27.0	13.6	22.4	15.5	17.2	15.5	12.1	14.1	20.0	12.1	32	23.7	3	-0.2
28.3	13.6	26.4	12.9	22.3	12.2	18.1	11.1	12.4	9.8	20.5	10.1	31	23.2	7	-0.3
29.4	15.9	26.9	15.1	22.6	15.2	16.7	15.3	11.9	14.3	20.8	13.1	32	23.4	7	1.0
29.4	14.9	27.2	15.1	22.4	14.1	17.3	14.3	12.5	13.4	20.5	13.2	31	22.6	5	2.2
28.8	12.5	26.4	12.0	22.3	13.5	17.8	13.8	12.0	12.6	20.0	11.0	31	21.7	6	0.9
28.4	9.2	26.9	11.2	22.2	14.0	17.7	12.8	13.3	12.7	20.3	9.1	29	19.5	8	1.9
28.7	13.4	26.6	13.5	22.5	14.9	16.6	15.0	11.8	13.5	19.6	11.2	30	20.5	6	2.7
28.1	11.6	24.6	10.9	22.1	15.4	16.7	14.2	14.7	11.5	20.1	11.3	30	23.0	9	1.9
29.8	14.1	26.6	14.7	23.6	15.4	16.0	13.9	11.3	14.0	19.7	12.2	31	20.8	6	4.2
28.1	11.4	25.9	11.1	22.6	13.5	15.9	13.5	11.4	13.9	19.5	11.1	31	20.1	8	3.9
28.9	14.0	28.8	15.0	23.4	15.3	13.9	14.3	13.9	14.4	--	--	30	22.3*	4	1.2*
28.3	12.6	27.5	12.4	24.1	13.7	18.1	13.1	14.4	10.1	20.3	11.6	30	20.0	8	1.9
28.8	13.7	26.8	13.6	22.5	14.2	17.2	14.0	12.4	12.8	20.3	11.8				
32	23.4	30	22.7	28	22.9	26	23.7	18	22.0			32	23.7		
30.3	20.3	28.9	19.8	25.4	20.0	20.8	19.4	15.1	18.6						
27.3	7.9	24.0	8.0	19.5	9.0	14.3	8.6	9.8	7.4						
26	2.5	21	2.3	17	2.5	10	2.5	7	0.4					3	-0.3
GA.															
29.1	17.4	26.8	16.6	22.4	17.2	18.4	18.7	14.0	18.1	21.2	16.3	31	22.9	5	0.5
29.3	18.6	27.2	19.0	23.5	16.4	18.8	18.3	14.0	19.2	21.5	16.2	31	21.7	11	7.1
29.3	14.5	27.6	17.9	23.7	18.7	17.8	18.1	12.9	18.7	20.9	15.4	31	19.9	8	5.4
28.7	17.6	25.9	15.9	23.2	18.9	18.2	19.3	16.9	19.4	21.7	17.6	31	22.6	12	11.0
29.6	22.1	27.1	20.5	24.3	19.9	16.9	19.3	13.2	18.7	21.2	19.2	31	23.2	10	15.8
28.8	17.1	26.9	10.7	23.6	12.8	17.1	15.1	13.6	17.0	21.1	15.5	31	20.5	7	3.9
29.2	20.7	29.1	18.4	24.6	18.8	17.9	19.3	15.6	20.3	21.8	17.5	31	22.8	6	8.1
29.1	16.7	--	--	25.1	17.4	19.4	17.8	17.6	16.4	--	--	31	20.5	9	12.5
29.1	17.9	27.1	16.9	23.4	17.4	18.2	18.4	14.6	18.4	21.3	16.7				
31	23.2	31	22.0	28	22.0	26	22.9	21	22.5			31	23.2		
30.8	20.8	29.4	19.1	26.4	19.2	21.5	20.1	17.6	19.8						
27.2	14.7	23.9	14.1	19.7	14.9	14.6	16.6	11.9	16.2						
24	9.7	21	0.5	17	3.9	11	10.7	8	12.1					5	0.5
BEACH, FLA.															
28.2	19.7	28.5	18.8	23.2	18.5	18.5	19.5	12.1	21.6	--	--	31	24.6*	9*	9.7*
28.5	21.6	27.3	20.1	23.6	18.2	20.1	20.2	15.4	20.7	21.9	20.7	32	27.5	10	8.2
28.8	24.2	27.3	21.6	23.4	20.1	17.8	21.5	14.2	22.3	21.9	22.7	32	27.6	10	6.3
28.8	23.8	27.9	23.4	23.5	22.0	19.1	22.4	14.7	23.1	21.6	22.9	31	27.7	8	9.2
28.5	23.0	27.3	21.2	23.4	21.1	19.0	22.6	13.9	22.8	21.1	22.0	31	27.3	8	8.4
27.3	22.9	27.1	23.0	23.2	21.3	19.2	22.6	14.5	22.8	21.2	21.4	29	26.5	11	14.2
28.1	21.7	27.3	23.0	23.7	21.3	18.1	22.7	13.2	23.7	20.8	21.1	30	25.6	8	12.6
26.6	23.4	25.6	21.5	23.1	22.9	18.3	23.7	17.4	24.0	21.3	22.9	29	26.6	11	16.8
28.3	24.8	27.1	21.8	24.8	23.3	18.0	23.0	13.8	23.3	21.0	23.6	31	26.9	9	17.9
28.8	23.8	26.9	18.9	24.1	17.9	18.3	18.4	13.9	19.6	21.0	21.6	31	27.0	9	12.0

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
														FERNANDINA
1970	10.8	18.4	12.4	18.1	16.3	20.1	20.7	17.6	24.8	22.8	27.3	24.1	28.6	24.9
1971	13.2	23.5	13.8	22.9	16.9	23.8	19.8	23.6	24.6	24.6	27.5	25.7	29.2	24.6
Mean	13.3	21.6	14.0	21.2	16.6	20.6	20.7	21.4	24.6	23.1	27.4	23.7	28.5	23.6
Maximum	20	26.0	21	26.0	23	25.6	27	27.2	29	27.1	31	27.5	32	27.7
Mean Max.	16.0	23.9	17.3	23.7	19.9	23.4	23.7	24.4	27.2	25.6	29.4	25.9	30.0	26.2
Mean Min.	10.7	18.6	11.4	18.6	13.6	17.5	17.7	18.3	21.8	20.4	25.3	21.1	26.6	20.7
Minimum	8	13.9	8	14.6	9	9.7	16	8.2	19	14.3	23	10.1	22	13.4
														MAYPORT
1944	--	--	--	--	--	--	--	--	--	--	27.5	--	27.8	--
1945-1949	15.3	15.4	15.0	15.1	17.6	15.5	21.3	18.4	24.4	19.1	27.0	20.5	28.3	15.9
1950-1954	15.2	14.5	15.8	16.7	17.7	17.0	20.4	18.8	24.3	22.4	27.6	23.1	28.1	22.2
1955-1959	12.9	18.8	14.6	17.5	16.7	16.5	20.2	18.7	24.3	20.2	26.8	21.0	28.0	20.3
1960-1964	12.6	17.7	13.6	17.0	16.1	16.3	20.0	18.5	23.9	20.9	26.7	21.4	27.7	19.1
1965	14.8	17.1	14.4	17.8	15.7	16.4	19.8	18.8	23.3	20.7	26.1	19.2	27.3	17.5
1966	13.2	19.6	12.2	18.5	15.4	13.3	19.9	17.8	23.4	20.7	26.1	17.3	28.6	14.1
1967	13.7	19.4	13.8	18.6	16.7	20.0	21.3	22.3	23.6	24.9	26.8	23.0	28.2	15.8
1968	14.0	21.4	12.9	22.4	15.2	21.1	20.6	24.3	24.1	24.3	27.0	18.1	28.1	14.1
1969	11.9	19.1	12.3	19.4	13.4	15.6	19.7	20.0	23.6	20.4	28.1	20.5	28.7	21.3
1970	11.1	11.6	12.7	8.0	15.9	14.4	20.7	12.4	23.4	20.1	26.8	22.3	27.7	20.2
1971	13.7	20.6	13.1	18.6	17.2	22.2	19.2	21.9	23.9	23.9	27.4	23.3	28.5	20.0
Mean	13.8	17.0	14.3	16.8	16.7	16.6	20.4	18.9	24.1	21.0	27.0	21.2	28.1	18.9
Maximum	20	26.2	21	25.9	23	28.4	26	28.4	28	27.2	31	28.2	31	27.6
Mean Max.	16.1	23.6	16.7	23.7	19.6	23.8	23.1	25.4	26.4	25.8	29.1	26.4	29.7	25.7
Mean Min.	11.4	8.8	12.1	8.5	14.0	8.8	17.4	11.3	21.6	14.3	24.9	14.1	26.1	12.0
Minimum	8	2.3	8	0.1	11	0.1	14	2.6	20	6.0	23	2.3	22	3.5
														JACKSONVILLE
1955-1959	13.3	6.1	15.7	6.3	18.6	6.5	22.4	6.6	26.9	8.4	28.9	7.8	30.6	5.5
1960-1964	14.3	5.7	15.9	6.4	19.4	6.9	23.1	7.4	26.6	11.6	29.5	9.5	30.5	6.9
1965	16.0	6.4	15.8	7.6	19.2	7.3	24.6	8.0	28.8	8.9	28.7	8.7	30.4	10.1
1966	14.1	6.9	13.6	4.3	19.3	4.2	22.7	3.7	26.0	7.1	28.3	7.6	31.1	6.0
1967	16.2	6.3	15.9	7.3	19.8	9.3	24.9	10.7	26.8	14.1	29.5	14.6	30.7	4.1
1968	15.3	8.2	13.6	10.7	18.3	7.1	23.9	12.1	--	--	--	--	--	--
Mean	14.3	6.2	15.5	6.7	19.1	6.8	23.1	7.5	26.8	10.1	29.1	9.0	30.6	6.3
Maximum	21	18.3	23	20.5	26	21.8	31	20.6	33	23.1	36	20.4	34	15.1
Mean Max.	17.4	12.8	19.5	12.8	23.4	12.7	26.9	12.3	30.6	15.1	32.3	14.3	33.2	12.0
Mean Min.	11.4	1.1	12.2	2.2	14.7	2.3	19.7	3.3	22.9	6.1	26.4	4.4	28.3	2.1
Minimum	9	-1.2	8	-0.6	11	-1.5	17	-1.1	20	-0.6	24	-0.4	27	-0.8
														FLAGLER
1946	--	--	--	--	--	--	21.0	--	24.0	--	--	--	26.8	--
														DAYTONA BEACH
1925-1929	14.9	26.6	17.2	27.1	18.2	27.2	20.6	26.5	23.9	26.6	25.8	26.8	25.6	26.9
1930-1932	16.3	25.2	16.2	24.8	16.9	26.3	20.4	26.3	23.3	26.5	24.0	26.7	24.7	26.9
-- 1939	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1940-1944	15.2	25.7	15.9	26.2	17.5	26.2	21.2	26.5	24.7	27.1	26.6	27.0	26.6	26.9
1945-1949	17.8	25.2	16.7	24.6	19.2	25.3	22.4	26.0	24.6	26.5	26.3	26.8	27.1	26.9
1950 --	19.5	25.7	20.4	26.6	18.7	26.5	19.5	26.8	24.5	27.1	26.9	27.1	21.3	26.6

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
BEACH, FLA.–continued															
28.8	23.8	29.2	22.4	24.6	22.8	18.3	23.8	15.8	24.1	21.4	21.9	31	26.6	8	9.4
29.2	23.1	28.8	20.6	25.4	23.0	19.4	22.2	17.2	20.7	22.1	23.2	31	27.0	11	15.2
28.5	23.1	27.5	21.5	23.6	20.6	18.9	21.8	14.6	22.3	21.5	22.0				
32	27.3	31	27.6	29	26.5	25	26.2	20	25.9			32	27.7		
30.3	26.2	29.5	25.2	26.8	24.3	22.2	24.2	17.6	24.4						
26.2	18.7	24.9	17.5	20.5	17.1	15.6	18.8	11.7	20.0						
24	6.3	21	6.9	17	8.1	12	9.2	8	11.2					8	6.3
FLA.															
28.4	--	28.4	--	23.4	--	18.9	--	13.1	--	- -	- -	31	--	9*	--
28.3	13.5	27.5	12.7	23.9	11.7	20.4	12.3	16.4	14.9	22.1	15.4	33	28.4	11	-0.2
28.1	21.8	27.4	18.5	23.8	14.1	18.6	12.9	14.8	14.9	21.8	18.1	31	28.1	11	1.4
28.2	20.9	27.8	20.6	24.0	18.1	19.7	16.0	15.4	17.7	21.6	18.9	31	28.4	8	1.8
27.2	18.6	27.3	17.2	23.6	15.4	19.5	17.3	14.7	18.7	21.1	18.2	31	28.6	9	0.1
27.3	12.5	26.9	20.9	24.7	17.3	19.7	18.2	15.6	20.1	21.3	18.0	32	25.7	12	1.0
27.7	12.4	27.3	15.3	23.9	17.6	18.9	17.1	14.1	19.0	20.9	16.9	31	26.5	8	3.5
26.6	15.4	25.4	16.6	23.1	18.4	19.4	21.6	19.4	21.4	21.5	19.8	29	27.4	12	4.2
27.2	16.7	26.8	11.6	24.3	13.4	18.2	14.2	14.3	18.7	21.1	18.4	29	27.2	10	2.2
28.0	17.9	27.6	12.8	24.4	8.5	18.6	10.3	14.4	10.3	20.9	16.3	29	25.7	10	-0.2
28.6	17.9	28.4	21.3	24.9	23.1	19.1	20.2	16.2	21.4	21.3	17.7	29	26.7	8	0.1
27.8	20.3	28.8	21.1	25.5	21.7	20.4	21.3	17.9	18.4	21.9	21.1	30	27.1	11	8.8
27.9	18.0	27.5	17.2	23.9	15.4	19.4	15.5	15.4	17.0	21.6	17.8				
33	28.6	31	27.4	32	27.1	25	26.2	22	26.3			33	28.6		
29.7	25.3	29.1	24.7	26.9	23.6	22.3	24.0	17.9	23.9						
25.7	10.6	25.3	9.0	20.9	7.2	16.2	7.0	12.8	9.0						
20	2.9	22	-0.1	17	-0.2	12	0.4	9	-0.2					8	-0.2
FLA.															
30.3	7.3	28.8	6.8	24.3	6.3	20.1	3.2	15.9	4.9	23.0	6.3	35	23.5	8	-1.2
30.4	6.4	28.4	7.5	24.6	5.5	20.5	6.5	15.0	6.8	23.2	7.3	36	21.8	9	-1.3
30.9	2.2	28.6	10.6	25.3	7.4	20.7	5.5	16.2	5.9	23.8	7.4	35	13.9	12	-0.3
30.6	0.9	29.0	3.9	25.3	2.9	19.1	6.0	15.4	7.8	22.9	5.1	35	13.4	9	-1.5
30.3	2.9	27.3	8.5	24.4	7.4	20.4	9.4	19.9	8.8	23.9	8.6	33	23.1	11	-0.4
--	--	--	--	--	--	--	--	--	--	--	--	--	19.2*	11	1.2*
30.4	5.7	28.5	7.3	24.6	5.9	20.2	5.3	15.8	6.2	23.2	6.9				
35	23.4	35	23.5	31	22.2	26	21.0	26	21.1			36	23.5		
33.0	11.1	31.4	13.3	28.7	12.6	23.4	10.3	19.4	11.9						
28.2	1.2	25.8	2.8	21.0	1.2	16.7	1.1	12.6	2.5						
27	-1.3	22	-1.1	19	-1.0	14	-1.1	9	-1.0					8	-1.5
BEACH, FLA.															
25.9	--	27.0	--	23.8	--	--	--	18.2	--	--	--	28*	--	16*	--
(ocean), FLA.															
24.9	26.8	27.6	26.8	24.4	25.0	21.3	24.6	18.2	25.6	21.9	26.4	30	28.8	10	18.4
24.6	26.5	26.7	26.5	24.1	26.0	21.8	26.4	18.3	26.0	21.4	26.2	29	28.0	8	22.0
24.3	27.2	27.5	26.7	25.0	25.4	20.0	25.5	17.0	25.8	--	--	29	27.8*	13*	24.0*
26.1	27.0	27.9	26.5	24.6	26.0	21.8	26.1	18.3	25.6	22.2	26.4	31	29.3	10	22.2
26.6	26.8	27.8	26.2	25.2	24.5	22.4	25.2	18.6	24.6	22.9	25.7	31	29.1	12	21.2*
25.9	26.6	25.4	26.4	--	--	--	--	--	--	--	--	29	27.5*	16*	23.4*

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
												DAYTONA BEACH		
1966	--	--	16.0	26.2	16.6	25.4	20.2	27.2	22.7	27.6	24.6	26.9	25.2	27.2
1967	15.4	26.4	15.2	26.2	17.5	27.0	22.2	27.9	24.4	28.4	26.8	27.9	25.0	28.1
1968	14.9	26.0	11.4	26.0	14.7	26.8	20.5	27.9	23.6	27.8	25.2	27.3	21.9	27.3
1969	13.9	25.4	14.0	26.1	13.4	25.7	20.4	26.7	23.8	27.1	26.9	27.0	25.9	27.5
1970	12.1	24.4	12.2	24.7	14.9	25.2	19.0	25.7	22.8	26.6	25.2	27.0	26.4	24.9
Mean	16.1	25.5	16.0	25.6	17.4	26.1	21.1	26.5	24.2	26.9	25.9	27.0	25.7	26.9
Maximum	23	27.4	23	27.8	24	28.8	28	29.1	29	29.0	31	28.5	32	29.3
Mean Max.	18.9	26.3	18.4	26.4	20.4	26.9	23.4	27.4	26.4	27.6	28.0	27.7	28.4	27.6
Mean Min.	13.3	24.4	13.4	24.8	14.1	24.9	18.3	25.6	22.0	25.8	23.7	26.2	22.6	26.1
Minimum	10	21.5	9	21.3	9	21.4	16	23.0	19	23.4	21	23.8	17	23.8
												DAYTONA BEACH		
1946-1948	18.1	16.6	14.8	17.8	20.1	10.0	25.4	9.8	27.6	13.6	29.2	15.0	30.1	8.8
												PATRICK AIR FORCE BASE		
1960-1962	17.3	26.5	17.8	26.7	18.9	26.0	21.7	27.1	25.0	27.2	25.2	27.2	26.1	27.3
Mean	17.3	26.5	17.8	26.7	18.9	26.0	21.7	27.1	25.0	27.2	25.2	27.2	26.1	27.3
Maximum	21	27.7	21	27.5	24	27.3	25	28.1	27	27.8	29	27.6	29	28.5
Mean Max.	19.6	27.1	20.2	27.2	21.7	27.2	24.4	27.8	26.7	27.6	27.8	27.6	28.9	28.2
Mean Min.	14.4	25.8	14.8	26.1	15.8	25.4	18.9	26.4	23.3	26.5	22.5	26.8	22.5	26.7
Minimum	13	24.8	14	25.4	15	23.9	18	25.8	23	26.2	22	26.6	22	26.3
												CANOVA BEACH.		
1946-1949	20.0	--	18.7	--	19.9	--	22.5	--	24.2	--	26.0	--	25.9	--
1950-1954	19.3	26.9	19.3	26.9	20.7	27.1	22.6	27.2	24.9	27.0	26.8	27.1	26.0	27.0
1955-1959	17.1	26.5	18.6	26.9	20.1	27.0	22.1	27.1	24.9	27.2	25.9	27.1	25.7	27.0
1960-1962	17.7	26.4	18.2	26.6	19.0	26.0	21.8	27.0	25.0	27.3	25.9	27.4	26.8	27.3
Mean	18.4	26.6	18.7	26.8	20.1	26.8	22.3	27.1	24.7	27.2	26.2	27.1	26.0	27.1
Maximum	23	28.4	24	28.4	24	28.8	27	28.7	30	29.3	29	28.8	30	28.5
Mean Max.	20.6	27.4	21.1	27.4	22.4	27.6	25.1	27.9	27.3	28.0	28.5	28.0	28.7	27.7
Mean Min.	15.5	25.9	16.3	26.2	17.4	26.1	19.8	26.4	22.2	26.6	23.2	26.5	22.4	26.5
Minimum	11	24.8	12	25.4	14	23.5	18	25.0	20	25.9	21	26.2	17	25.6
												PALM BEACH.		
1946	--	--	--	--	23.9	27.4	25.2	27.4	27.1	27.5	28.1	27.2	29.2	27.3
												MIAMI BEACH		
1940-1944	21.2	26.5	21.4	26.8	22.4	27.0	24.7	26.9	26.5	26.9	29.3	27.0	29.9	27.0
1945-1949	22.0	26.2	22.2	26.5	23.5	26.7	25.7	26.9	27.0	27.0	28.6	27.0	29.7	26.6
1950-1951 --	22.0	25.8	22.8	26.4	23.4	26.8	24.4	26.8	27.0	27.3	29.8	27.3	30.1	27.0
1955-1959	20.8	26.8	22.1	26.9	23.1	27.0	24.4	27.2	27.0	27.2	28.4	27.0	29.6	26.8
1960-1964	22.2	27.1	22.2	27.0	24.0	27.3	25.5	27.5	27.6	27.5	29.1	27.0	31.0	27.4
1965	22.0	27.0	22.8	27.1	23.9	27.4	27.0	28.2	27.0	27.8	29.1	27.7	30.7	28.0
1966	21.1	26.5	21.8	26.6	22.8	26.5	24.0	26.6	27.5	27.1	27.5	25.8	29.6	25.9
1967	22.4	26.3	21.9	26.6	23.0	26.7	25.3	26.8	27.4	27.7	28.3	26.9	29.9	26.4
1968	22.3	26.8	21.5	26.7	22.3	26.8	26.3	27.0	27.6	27.0	27.8	26.0	30.4	25.7
1969	21.8	26.6	22.0	26.8	21.0	26.6	25.2	26.2	27.1	25.9	29.1	26.0	31.2	26.5
1970	20.9	26.6	20.6	26.2	22.4	26.3	26.3	26.8	26.4	26.7	28.9	26.1	30.6	26.6
1971	22.3	26.4	22.9	26.8	23.4	26.7	24.4	27.3	27.7	27.3	29.3	27.2	30.9	27.6

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
(ocean), FLA.–continued															
23.2	27.6	26.6	27.4	25.3	27.1	--	--	15.9	26.5	--	--	28	28.9*	13	21.4*
23.0	27.8	26.7	26.9	24.2	26.5	19.5	26.5	18.7	26.6	21.6	27.2	28	29.0	13	25.0
22.6	26.9	26.1	25.2	24.5	25.3	20.2	25.9	16.0	26.2	20.1	26.6	28	29.1	9	21.1
23.9	27.0	27.2	25.7	25.2	23.7	20.1	24.3	15.8	24.1	20.9	25.9	28	28.1	11	18.4
26.3	25.1	28.1	25.8	26.1	25.2	21.1	23.8	18.4	24.3	21.1	25.2	32	27.7	10	22.7
25.3	26.9	27.3	26.4	24.8	25.3	21.4	25.4	18.0	25.4	21.9	26.2				
31	28.2	32	29.1	29	28.9	26	27.5	24	27.3			32	29.3		
28.4	27.4	29.2	27.3	26.9	26.6	24.1	26.3	20.7	26.3						
21.1	26.0	25.2	24.9	22.0	23.6	18.1	24.5	14.9	24.5						
16	23.9	23	21.1	20	18.4	15	21.3	8	21.2					8	18.4
(Halifax River), FLA.															
30.8	6.1	29.1	6.7	25.7	7.6	23.0	10.5	19.1	15.0	24.4	11.5	32	21.3	10	-0.1
(Cape Kennedy), FLA.															
26.8	27.2	28.0	27.0	25.6	26.3	23.1	26.3	19.2	25.8	22.9	26.7	30	28.5	13	22.5
26.8	27.2	28.0	27.0	25.6	26.3	23.1	26.3	19.2	25.8	22.9	26.7				
29	28.2	30	27.8	29	27.0	26	27.0	24	27.7			30	28.5		
28.9	27.9	29.2	27.5	28.1	27.0	25.3	26.8	22.2	26.5						
24.2	26.8	26.4	26.3	23.1	25.7	20.0	25.6	14.7	24.6						
24	26.7	26	26.1	22	25.5	19	25.6	13	22.5					13	22.5
FLA.															
25.4	--	27.7	--	25.4	--	23.7	--	20.9	--	23.4	--	29	--	14	--
27.0	27.0	27.9	26.8	25.7	26.1	22.1	26.2	19.1	26.7	23.4	26.8	31	30.4	14	22.3
27.3	27.0	28.2	27.1	25.9	26.8	22.9	26.5	19.6	26.5	23.2	26.9	31	29.3	11	24.2
27.4	27.3	27.9	26.7	26.0	26.2	23.5	26.3	21.1	27.4	23.4	26.8	30	28.5	14	23.5
26.7	27.0	27.9	26.9	25.7	26.4	22.9	26.3	19.9	26.7	23.3	26.8				
31	28.9	31	28.8	29	30.4	27	28.9	24	28.9			31	30.4		
29.3	27.8	29.3	27.8	28.2	27.4	25.0	27.4	22.4	27.7						
22.6	26.2	25.9	25.9	23.2	25.4	20.1	25.4	17.0	25.9						
17	25.7	22	24.4	21	22.3	16	24.0	15	24.2					11	22.3
FLA															
30.2	27.3	29.4	26.9	27.1	26.9	26.2	27.1	24.5	27.1	--	--	32	28.6*	22*	25.8*
FLA.															
30.1	27.0	29.1	26.2	26.2	26.3	23.7	26.4	22.7	26.6	25.6	26.7	33	28.7	16	22.9
29.7	26.6	28.7	25.9	26.8	25.1	25.1	25.7	22.9	25.9	26.0	26.3	32	30.3	16	21.7
30.8	26.0	29.6	26.2	27.2	25.6	23.8	26.2	--	--	--	--	32	27.8	19	23.4
30.1	26.7	28.8	26.2	27.0	26.2	24.9	26.4	22.3	26.5	25.7	26.7	32	29.5	14	23.7
31.0	27.2	30.0	26.7	27.3	26.3	24.7	26.8	22.5	27.1	26.4	27.1	33	28.6	18	23.9
30.8	27.6	--	--	27.5	26.1	25.3	25.0	22.2	26.6	--	--	32*	28.8*	20	21.8*
30.5	26.4	29.6	26.5	26.6	25.4	23.2	26.3	21.6	26.8	25.5	26.4	32	28.8	18	24.0
30.3	26.9	29.9	26.8	26.6	25.6	24.7	26.2	23.8	26.2	26.2	26.6	32	28.5	20	25.0
30.4	26.3	29.7	26.1	27.6	25.6	23.4	26.5	22.1	26.7	25.9	26.4	33	28.2	18	24.2
30.6	26.7	29.2	26.1	27.1	25.5	24.2	25.4	21.5	25.9	25.8	26.2	33	27.6	19	24.0
30.9	26.6	30.3	26.0	27.3	25.7	23.9	26.0	22.9	26.3	26.0	26.3	33	27.2	17	25.0
30.9	27.1	29.6	25.1	28.1	25.7	25.4	25.7	25.1	26.3	26.7	26.6	33	28.1	18	24.3

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
														MIAMI BEACH,
Mean	21.7	26.6	22.1	26.8	23.2	26.9	25.1	27.1	27.1	27.1	28.8	26.9	30.2	26.9
Maximum	26	28.3	26	28.2	28	28.3	30	28.8	31	29.0	33	30.3	33	29.5
Mean Max.	23.7	27.2	24.1	27.3	25.6	27.4	27.3	27.5	28.9	27.7	30.6	27.6	31.6	27.6
Mean Min.	18.9	25.9	19.6	26.3	20.6	26.3	22.7	26.4	24.9	26.5	27.2	26.1	28.8	26.1
Minimum	17	23.4	14	25.4	18	23.8	21	24.5	22	24.5	26	24.4	26	24.0
														MARATHON
1966	--	--	--	--	22.6	27.8	24.4	28.1	27.8	28.4	28.2	27.2	30.6	26.6
1967	22.7	25.9	22.2	26.3	24.1	27.0	25.4	28.2	28.0	28.9	29.8	27.8	30.7	27.9
1968	21.5	26.8	21.2	27.4	21.9	27.7	26.4	28.2	27.7	26.8	28.9	25.7	30.2	26.9
1969	21.1	25.3	20.6	26.3	21.4	26.4	27.1	27.3	28.6	27.4	29.6	25.6	30.9	26.3
1970	19.7	24.2	20.1	24.8	22.8	25.4	26.6	26.5	26.0	27.0	30.2	26.8	30.1	26.7
1971	21.4	26.4	21.4	27.1	23.5	28.1	25.1	28.6	28.2	28.9	29.5	28.5	30.6	28.3
Mean	21.3	25.7	21.1	26.4	22.7	27.1	25.8	27.8	27.7	27.9	29.4	26.9	30.5	27.1
Maximum	27	27.8	26	28.6	29	28.6	32	29.7	32	30.4	34	30.3	33	28.9
Mean Max.	24.8	27.0	24.6	27.6	27.1	27.9	29.8	28.8	30.4	29.0	32.3	28.4	32.1	28.0
Mean Min.	17.1	24.6	17.3	25.6	19.1	26.0	21.9	26.7	24.3	26.8	25.9	25.4	27.6	25.7
Minimum	14	22.9	17	24.2	18	24.7	21	25.3	21	25.1	24	24.5	26	24.4
														KEY WEST,
1926-1929	21.6	27.0	23.4	27.0	24.0	27.2	26.1	27.4	27.7	27.4	30.0	27.3	30.6	27.0
1930-1934	22.1	25.9	22.8	26.4	23.1	26.8	25.7	27.0	28.2	27.1	29.1	26.7	30.7	27.1
1935-1939	22.4	27.0	22.4	27.0	23.9	27.1	25.9	27.3	28.0	27.6	29.5	27.4	30.2	27.4
1940	20.0	26.7	19.6	26.8	22.5	27.0	25.5	26.9	26.9	27.8	30.1	28.0	31.2	28.0
--														
1946-1949	22.6	27.2	23.2	26.9	24.2	27.4	27.0	27.6	28.6	27.6	30.0	27.5	30.4	27.2
1950-1954	22.0	26.9	21.8	26.7	23.9	26.8	25.5	27.2	27.8	27.3	30.1	27.2	30.2	27.1
1955-1959	20.6	26.8	22.1	27.1	23.7	27.3	25.3	27.6	27.7	27.7	29.2	27.4	30.1	27.5
1960-1964	21.4	26.6	21.8	26.8	24.1	27.1	25.5	27.3	27.9	27.6	29.8	27.1	30.7	27.4
1965	22.3	27.7	23.3	27.5	23.8	27.4	27.0	27.9	26.6	28.4	29.6	28.2	30.6	28.2
1966	21.4	27.4	20.8	27.1	22.8	27.1	24.6	27.2	28.1	27.6	28.6	26.6	30.4	26.8
1967	22.6	26.5	22.2	26.6	24.1	27.5	25.7	27.3	27.6	28.0	29.5	27.2	30.4	27.6
1968	22.1	27.2	21.2	27.1	--	--	--	--	28.1	27.0	29.5	26.5	30.2	27.1
1969	20.8	26.4	20.8	26.7	21.3	27.0	26.1	27.4	28.3	27.4	30.1	27.2	31.2	27.4
1970	19.7	26.2	19.5	26.2	22.6	26.4	26.6	26.8	26.4	27.9	29.3	27.1	30.6	27.0
1971	22.2	27.6	22.3	27.3	23.9	27.6	24.1	27.8	28.5	27.9	30.1	27.3	30.6	27.6
Mean	21.7	26.8	22.2	26.9	23.7	27.1	25.8	27.3	27.9	27.5	29.6	27.2	30.4	27.3
Maximum	26	28.4	28	28.3	28	28.5	30	28.9	31	28.8	32	28.9	33	28.9
Mean Max.	23.9	27.3	24.5	27.3	26.3	27.6	27.8	27.9	29.8	28.1	31.1	27.9	31.6	27.8
Mean Min.	18.9	26.2	19.9	26.3	20.9	26.5	23.6	26.7	26.0	26.9	27.9	26.4	29.2	26.6
Minimum	14	20.6	16	24.5	18	24.6	21	24.8	24	24.7	26	23.8	27	23.3
														NAPLES,
1968	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1969	17.9	--	18.3	--	18.3	--	23.7	--	26.7	--	29.2	--	30.7	--
1970	16.3	--	16.6	--	18.9	--	26.3	25.2	27.1	26.2	29.9	25.9	30.8	25.5
1971	20.0	26.5	19.3	26.5	22.4	26.9	24.4	27.3	28.8	27.5	30.2	27.4	30.6	26.8
Mean	18.1	26.5	18.1	26.5	19.9	26.9	24.8	26.2	27.5	26.8	29.8	26.6	30.7	26.2
Maximum	23	26.9	23	26.9	26	27.4	29	27.8	29	27.9	32	27.7	33	27.3
Mean Max.	20.9	26.9	21.1	26.9	24.4	27.4	28.3	27.2	28.7	27.6	31.5	27.4	32.2	27.0
Mean Min.	14.3	26.1	15.2	25.7	17.1	26.2	21.1	25.2	25.4	25.5	27.4	25.3	29.1	24.8
Minimum	12	26.1	14	25.7	16	26.2	19	23.6	24	24.3	27	23.5	29	23.5

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
FLA. -continued															
30.3	26.8	29.3	26.2	27.0	25.9	24.4	26.2	22.6	26.5	26.0	26.7				
33	28.8	32	28.3	31	28.1	28	28.6	27	28.0			33	30.3		
31.8	27.5	30.7	27.0	29.2	26.8	26.6	26.9	24.6	27.0						
29.1	26.1	27.7	25.3	24.7	24.9	22.1	25.3	20.1	25.7						
28	24.3	26	22.9	22	22.1	19	21.7	16	24.0					14	21.7
SHORES, FLA.															
30.8	27.1	30.7	27.2	28.2	26.8	22.8	27.4	20.4	26.3	--	--	34	29.4*	18	24.4*
29.9	28.4	--	--	27.7	27.1	24.7	27.2	23.6	26.9	--	--	33*	30.4*	17	24.9*
30.7	27.7	30.1	26.9	27.2	26.0	23.5	26.5	21.3	24.7	25.9	26.8	34	28.9	18	22.8
30.9	27.0	29.8	26.6	28.2	26.3	23.8	25.6	21.1	24.2	26.1	26.2	33	28.1	17	23.1
30.8	27.8	29.6	27.6	27.9	27.6	22.7	28.5	22.3	27.3	25.7	26.7	34	33.4	14	22.9
30.1	28.1	29.5	28.1	28.8	26.6	24.0	27.0	24.2	27.2	26.3	27.7	32	29.5	16	25.1
30.6	27.7	29.9	27.3	28.0	26.7	23.6	27.0	22.2	26.1	26.1	27.0				
34	33.4	32	28.9	31	29.4	28	30.3	26	28.1			34	33.4		
33.2	29.4	31.8	28.1	30.4	27.6	27.1	28.2	24.6	27.3						
27.9	26.6	27.3	26.2	25.4	25.7	20.9	26.0	19.1	24.9						
27	25.9	26	25.3	23	24.5	19	24.7	17	22.8					14	22.8
FLA.															
30.4	26.7	29.6	26.4	27.1	25.9	24.1	26.5	22.3	26.4	26.4	26.8	33	28.4	16	23.3
30.8	27.1	29.9	26.9	27.7	26.3	23.6	26.7	22.9	26.5	26.4	26.7	33	28.5	17	20.6
30.1	27.3	29.9	26.9	27.8	26.8	24.2	27.4	21.7	27.1	26.3	27.2	32	28.9	17	24.2
31.4	27.6	29.2	26.4	26.1	27.0	--	--	--	--	--	--	33	28.6*	14*	25.3*
30.7	27.4	29.8	27.0	27.6	26.5	25.9	27.0	23.6	27.2	27.0	27.2	32	28.7	18	23.3
30.8	27.1	29.6	26.9	27.3	26.5	24.1	26.8	21.7	26.8	26.2	26.9	33	28.3	17	24.1
30.6	27.5	29.4	27.2	27.4	27.1	25.0	27.5	22.1	27.1	26.1	27.3	32	28.9	16	25.0
30.8	27.3	29.9	27.0	27.7	27.0	24.5	27.0	21.9	27.1	26.3	27.1	32	29.0	17	24.5
30.6	28.0	28.6	27.4	27.9	27.2	25.1	27.1	22.4	27.7	26.5	27.7	32	28.8	20	25.9
31.2	27.5	20.7	27.2	28.1	26.9	23.6	27.2	20.8	26.5	25.9	27.1	32	28.0	17	25.7
30.2	27.8	--	--	27.0	26.8	24.4	27.4	24.2	27.0	--	--	31*	28.4*	18	26.0*
30.8	27.7	30.3	27.6	27.8	27.0	23.0	27.3	21.4	27.4	--	--	32	28.1*	18	25.3*
30.8	27.7	29.9	27.4	27.8	26.0	24.1	26.0	21.3	26.7	26.1	26.9	32	28.3	19	23.6
30.5	27.1	29.6	27.4	28.1	26.9	24.2	27.5	23.1	27.8	25.8	27.0	32	28.3	17	25.1
30.0	27.2	29.4	27.1	28.7	26.1	24.7	26.5	24.8	27.0	26.6	27.2	32	28.3	17	25.1
30.6	27.3	29.7	26.9	27.6	26.6	24.4	27.0	22.3	26.9	26.3	27.1				
33	28.7	33	28.3	31	29.0	28	28.9	27	28.6			33	29.0		
31.8	27.8	31.1	27.5	29.6	27.3	26.6	27.6	24.4	27.5						
29.2	26.6	28.2	26.2	25.3	25.6	21.8	26.3	19.8	26.4						
27	23.3	27	24.9	22	21.4	19	24.1	17	24.2					14	20.6
FLA.															
30.8	--	29.3	--	26.9	--	21.4	--	17.8	--	--	--	--	--	--	--
30.4	--	29.0	--	27.1	--	21.3	--	18.3	--	24.2	--	32	--	16	--
30.8	25.2	30.2	25.1	27.6	25.6	22.0	26.0	20.5	26.2	24.7	--	33	27.4*	12	23.5*
30.1	25.9	29.1	24.8	28.7	25.3	24.1	25.6	23.3	25.7	25.9	26.4	32	27.9	16	20.0
30.6	25.6	29.4	25.0	27.6	25.4	22.2	25.8	19.9	26.0	24.9	26.1				
32	27.1	32	26.9	31	26.5	27	26.5	25	26.5			33	27.9		
31.9	26.6	30.8	26.6	29.4	26.3	26.0	26.3	22.7	26.4						
28.9	23.8	28.1	21.8	25.0	23.2	18.6	25.1	17.7	25.4						
28	23.3	28	20.0	22	22.3	16	24.9	14	25.3					12	20.0

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
													ST. PETERSBURG.	
1947-1949	18.7	19.6	19.3	19.0	20.6	19.6	24.4	19.7	26.9	20.7	28.9	21.4	29.5	20.8
1950-1954	17.9	18.8	18.4	19.2	20.5	19.8	22.7	19.9	26.6	20.7	29.2	21.7	29.8	21.6
1955-1959	15.7	20.6	18.3	20.5	20.2	19.9	22.9	19.4	26.9	19.9	28.9	20.8	30.1	19.9
1960-1964	15.5	19.3	16.7	19.0	19.6	18.3	22.8	18.4	26.4	19.9	29.1	20.8	29.9	20.5
1965	17.7	20.0	18.0	19.8	19.5	19.7	24.9	20.3	26.7	21.3	27.9	21.5	29.4	20.8
1966	16.4	19.1	15.4	18.2	19.1	17.8	21.8	18.8	26.6	20.1	27.4	20.0	29.2	19.5
1967	17.8	20.3	17.4	20.4	19.9	20.3	23.8	21.6	25.5	22.6	28.4	23.2	29.4	22.7
1968	17.4	22.0	15.4	22.7	17.6	22.7	23.8	22.6	26.2	23.6	27.9	22.7	29.0	17.9
1969	15.3	18.9	16.2	19.4	16.4	19.0	23.2	18.6	25.7	20.0	29.8	20.8	30.1	20.8
1970	13.6	16.9	14.9	16.7	18.5	16.4	23.9	16.1	25.7	18.0	28.3	18.9	29.6	19.5
1971	16.7	21.9	16.3	21.6	18.6	21.2	21.3	21.5	25.7	22.2	28.4	22.7	29.3	22.7
Mean	16.7	19.7	17.6	19.6	19.7	19.4	23.1	19.5	26.4	20.5	28.8	21.2	29.7	20.6
Maximum	25	24.9	24	24.9	26	24.6	28	24.1	31	25.2	32	26.1	32	26.0
Mean Max.	19.2	20.5	20.4	20.1	22.8	20.3	25.6	20.3	28.5	21.3	30.4	22.0	31.1	21.6
Mean Min.	13.7	18.8	14.9	18.8	16.7	18.4	20.5	18.7	24.2	19.6	27.0	20.0	28.2	19.1
Minimum	10	15.6	11	14.6	13	12.4	18	11.8	22	13.9	25	13.5	26	1.7
													CEDAR KEYS.	
1922-1926	14.5	20.7	15.9	19.0	18.2	17.9	22.3	18.3	25.2	18.6	28.8	19.8	28.9	19.2
--														
1945-1949	15.4	18.5	16.1	18.7	19.4	17.5	23.1	17.6	25.7	18.3	28.1	19.6	28.9	20.3
1950-1954	15.9	19.7	16.2	19.7	17.6	19.8	21.6	18.5	25.6	20.3	28.7	21.1	29.2	19.9
1955-1959	13.7	20.7	17.3	21.1	19.3	19.9	23.3	19.4	28.1	20.1	29.7	20.6	30.8	20.0
1960-1964	13.2	20.1	15.3	18.6	18.7	18.0	22.9	17.0	26.8	18.3	29.7	20.7	30.3	20.3
1965	16.3	19.0	15.6	16.8	18.1	13.4	25.1	16.8	27.7	18.4	28.7	20.6	30.4	19.3
1966	14.5	18.6	13.7	17.2	17.8	15.3	22.5	14.3	27.6	18.8	28.6	18.5	30.3	18.2
1967	16.3	19.6	14.9	17.2	19.6	17.5	24.3	19.4	26.2	21.1	29.0	21.4	29.9	20.8
1968	14.6	20.8	12.9	20.4	16.4	19.9	24.3	21.6	26.3	20.6	29.2	21.3	29.8	20.7
1969	13.6	22.0	13.9	20.3	14.8	18.3	23.5	20.0	27.2	21.0	31.2	21.6	30.3	20.8
1970	10.6	18.1	13.8	17.5	17.9	15.6	24.9	15.6	27.0	17.1	29.4	19.1	30.8	20.2
1971	14.4	18.8	14.9	18.6	18.1	17.5	21.8	17.4	27.0	18.1	29.4	17.4	30.6	18.5
Mean	14.4	19.9	15.7	19.1	18.4	18.1	22.9	18.1	26.4	19.1	29.1	20.2	29.8	19.9
Maximum	24	24.7	25	25.1	26	25.4	32	25.1	32	25.2	33	25.3	33	24.2
Mean Max.	18.8	21.9	20.2	21.4	23.0	20.9	26.6	21.1	29.6	21.7	31.5	22.3	31.9	22.0
Mean Min.	9.2	16.7	10.7	15.2	13.2	13.5	18.3	14.2	22.6	15.7	26.2	17.8	26.9	17.2
Minimum	4	11.4	6	9.2	8	7.2	10	9.0	18	11.1	23	13.9	24	13.0
													PENSACOLA.	
1924	11.4	11.3	12.7	6.1	14.9	9.5	20.8	9.8	23.7	10.4	28.4	8.8	29.2	9.9
1925-1929	12.8	11.6	14.8	10.2	17.3	7.7	21.7	8.8	24.6	11.3	28.1	11.9	29.4	11.6
1930-1934	14.6	12.8	15.3	12.7	16.6	11.6	21.7	10.7	25.8	12.7	28.6	15.5	30.1	15.3
1935-1939	15.4	10.4	15.2	10.8	19.4	8.0	22.2	5.7	25.8	6.0	28.7	10.0	29.6	11.3
1940-1944	11.6	13.8	13.3	13.4	15.9	8.0	20.2	6.3	24.8	10.5	28.5	12.4	29.2	9.8
1945-1949	13.3	10.3	13.9	10.2	17.7	7.3	21.8	6.0	24.9	8.3	27.9	9.4	28.7	10.8
1950-1954	14.9	13.6	15.5	14.4	16.9	12.1	20.2	8.8	24.8	10.9	28.7	15.0	29.1	15.8
1955-1959	12.7	16.7	15.0	13.2	17.6	12.3	21.6	8.6	26.6	11.0	28.7	12.8	29.9	12.5
1960-1964	11.2	13.0	13.8	10.9	17.2	7.5	21.7	6.4	26.2	8.7	29.2	12.4	30.5	12.0
1965	14.1	11.6	12.8	7.9	15.4	6.5	23.6	7.9	26.9	13.3	28.3	15.7	30.0	14.4
1966	12.1	16.5	12.8	9.4	16.7	4.2	21.3	9.5	25.3	14.7	27.6	17.4	30.4	18.2
1967	12.8	11.6	14.1	12.5	18.8	14.4	24.3	17.0	24.7	17.9	28.7	18.8	29.0	18.4
1968	11.9	14.0	11.8	17.4	15.8	14.2	22.8	15.8	25.6	18.5	29.4	19.3	30.6	20.0
1969	11.9	18.3	13.2	18.2	14.4	15.6	21.9	10.2	25.1	13.5	29.2	17.1	30.4	14.6

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
FLA.															
29.1	17.9	28.6	15.1	25.6	15.4	22.2	17.6	19.9	18.2	24.5	18.8	31	24.3	12	12.5
30.0	19.8	28.8	17.8	25.6	17.1	20.2	18.6	17.2	19.0	23.9	19.5	32	23.4	13	13.3
29.9	18.8	29.2	17.6	25.6	18.2	21.8	19.3	17.3	19.9	23.9	19.6	32	26.1	11	1.7
29.9	18.2	28.4	16.9	25.0	17.7	21.1	19.0	16.7	19.9	23.4	19.0	32	24.1	11	9.6
30.2	15.9	28.5	16.5	25.2	17.8	21.4	18.6	17.4	19.0	23.9	19.3	32	22.2	14	14.4
30.1	18.3	28.9	17.5	25.7	17.4	20.3	17.9	16.9	20.0	23.2	18.7	32	21.1	11	16.7
28.9	19.1	28.3	17.4	24.4	19.0	20.3	20.6	20.4	21.2	23.7	20.7	31	23.7	11	15.6
30.0	16.9	28.2	15.9	25.1	17.4	19.1	18.1	15.7	18.7	22.9	20.1	32	24.1	12	14.4
28.8	18.7	28.1	16.9	25.6	15.8	19.5	17.6	16.4	18.0	22.9	18.7	32	21.6	13	14.6
29.6	20.0	29.1	19.1	25.6	19.7	20.3	20.7	18.1	21.3	23.1	18.6	32	21.9	10	15.4
29.2	21.0	28.2	17.7	26.6	17.2	21.9	17.9	20.7	18.3	23.6	20.5	31	23.3	13	15.9
29.7	18.6	28.7	17.1	25.4	17.5	21.0	18.8	17.6	19.5	23.7	19.3				
32	26.1	32	25.4	30	24.5	27	24.5	26	24.4			32	26.1		
31.1	20.2	30.5	18.4	28.2	18.7	24.0	19.7	20.4	20.2						
28.3	17.0	26.5	15.7	22.1	16.3	17.4	17.8	14.6	18.8						
27	9.6	23	9.6	18	12.2	14	13.8	11	15.5					10	1.7
FLA.															
29.1	18.7	28.0	20.2	22.9	19.9	18.3	20.4	16.1	21.0	22.4	19.5	32	23.4	5	9.5
28.7	18.2	27.6	18.1	23.7	18.6	19.9	19.8	15.9	19.6	22.7	18.7	32	23.7	5	9.2
29.7	19.9	27.6	18.6	23.8	19.2	17.3	19.8	14.3	18.6	22.3	19.6	33	25.1	7	6.6
30.7	19.6	29.1	19.2	25.4	19.4	20.7	20.6	16.0	20.3	23.7	20.1	33	25.5	6	2.7
30.4	19.4	28.3	18.4	24.4	18.6	19.4	21.1	14.0	20.1	22.8	19.2	33	23.9	5	8.4
30.8	15.7	28.8	17.0	24.0	18.1	20.1	20.1	15.5	19.9	23.4	17.9	33	22.6	10	9.3
30.4	18.2	28.9	19.9	25.5	17.0	18.2	18.9	14.8	20.3	22.7	17.9	32	22.2	7	10.4
30.1	19.3	26.9	20.6	23.4	21.3	17.7	21.0	18.1	21.9	23.1	20.1	32	24.1	9	10.9
31.1	20.8	28.4	19.7	24.7	20.3	17.1	20.3	12.6	21.0	22.3	20.6	33	24.0	8	15.0
29.8	18.6	28.6	20.3	25.6	21.2	17.3	20.6	14.3	19.1	22.5	20.3	33	24.0	9	13.0
29.7	18.8	30.1	16.0	25.7	19.5	16.8	18.3	16.4	20.9	22.8	18.1	33	23.3	4	7.2
30.4	17.5	29.1	15.7	25.9	19.4	20.1	19.3	19.6	20.1	23.4	18.2	32	21.6	9	10.7
29.8	19.0	28.3	18.8	24.2	19.2	19.0	20.2	15.4	20.1	22.8	19.3				
33	24.8	33	25.4	32	25.5	27	24.1	23	24.3			33	25.5		
31.9	21.6	30.8	21.4	28.2	21.6	23.6	22.1	19.6	21.9						
27.3	15.9	25.1	15.8	19.4	15.8	13.4	17.4	10.2	17.7						
24	11.2	21	3.5	16	2.7	8	12.7	5	10.0					4	2.7
FLA															
30.0	12.2	27.4	16.9	21.8	18.0	19.2	19.6	14.3	17.7	21.2	12.5	32	22.7	8	1.0
29.6	12.3	28.1	13.9	23.8	13.6	17.8	15.4	13.7	13.9	21.8	11.8	32	22.8	6	0.0
29.8	13.3	28.5	15.9	23.8	15.9	18.4	16.8	15.8	15.7	22.4	14.1	32	23.7	8	1.1
29.7	8.3	28.1	11.0	23.9	12.9	18.1	14.8	13.7	14.9	22.5	10.3	33	23.9	8	0.4
29.5	10.0	27.2	13.1	23.1	16.4	17.6	17.7	13.9	15.8	21.2	12.3	32	23.0	4	-0.3
29.0	9.7	26.9	13.6	23.0	16.4	18.7	16.2	14.3	12.9	21.7	10.9	31	21.7	7	-0.4
29.4	16.3	27.2	18.6	23.9	19.0	16.9	19.6	13.7	16.6	21.7	15.1	31	25.3	8	0.6
30.1	13.2	28.1	15.1	23.6	14.7	18.4	16.7	14.2	16.2	22.2	13.6	33	24.0	7	0.2
30.3	11.0	28.0	13.9	23.7	16.3	18.7	18.3	13.3	15.9	22.0	12.2	33	24.0	6	-0.8
29.8	11.6	27.7	15.4	23.1	12.3	19.5	18.3	14.4	17.2	22.1	12.7	32	21.5	9	2.1
29.6	16.7	28.0	18.4	23.3	18.5	19.0	17.6	14.1	18.1	21.7	14.9	32	22.7	6	0.8
28.3	16.2	26.4	14.8	22.7	19.3	17.2	15.6	16.9	14.3	22.0	15.9	31	23.8	11	6.6
30.6	19.1	28.1	20.1	24.7	21.8	16.3	21.2	12.8	20.2	21.7	18.5	32	23.8	9	8.1
29.2	13.4	27.7	16.9	23.4	16.4	17.6	19.7	13.4	17.1	21.4	15.9	33	22.9	9	5.1

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
													PENSACOLA,	
1970	10.2	15.2	12.6	13.0	16.5	11.3	23.6	7.3	26.8	14.2	28.5	5.4	29.9	12.4
1971	12.7	13.0	13.3	11.4	16.4	7.6	21.0	7.3	25.3	11.7	28.6	14.7	29.9	14.1
Mean	13.1	13.0	14.3	11.9	17.1	9.5	21.6	8.2	25.4	10.9	28.6	12.8	29.6	12.9
Maximum	22	25.3	24	23.1	26	23.7	28	23.7	31	22.2	33	22.5	33	22.6
Mean Max.	17.2	18.7	18.1	17.4	21.0	15.8	25.0	14.2	28.3	16.4	30.7	17.6	31.3	17.9
Mean Min.	9.4	6.6	10.8	6.2	13.2	4.2	17.7	3.9	22.4	6.2	26.2	8.2	27.6	8.1
Minimum	4	0.1	6	0.6	9	-0.5	15	-0.8	19	-0.1	24	-0.2	26	1.7
													DAUPHIN	
1966	--	--	--	--	--	--	20.8	14.2	--	--	--	--	30.2	17.1
1967	10.9	8.0	11.8	10.0	16.3	10.5	23.1	16.2	22.8	14.6	27.7	16.7	27.6	14.3
1968	9.3	1.9	9.4	8.5	13.5	9.5	20.7	4.6	23.3	9.4	28.4	13.6	28.6	16.3
1969	9.8	8.3	11.6	5.5	12.7	10.0	19.8	5.4	23.5	6.1	27.3	13.5	29.1	16.5
1971	--	--	--	--	--	--	--	--	--	--	28.4	11.3	29.5	15.9
Mean	10.0	6.1	10.9	8.0	14.2	10.0	21.1	10.1	23.2	10.0	27.9	13.8	29.0	16.0
Maximum	16	20.5	16	13.8	21	20.1	25	24.7	27	21.3	31	20.6	32	21.8
Mean Max.	14.4	13.9	14.6	12.8	18.5	18.3	23.4	19.7	26.1	17.9	30.3	19.4	31.6	20.4
Mean Min.	5.9	2.8	7.1	2.5	8.5	3.0	18.1	4.3	20.0	3.9	25.1	6.5	27.1	10.5
Minimum	5	-0.5	6	-0.2	7	2.1	17	0.5	19	1.1	24	3.6	26	7.9
													GRAND ISLE (Drilling platform	
1949	--	--	--	--	--	--	--	--	25.7	17.0	28.3	17.8	28.9	18.5
1950-1954	16.8	20.7	16.8	19.1	18.1	19.1	20.7	19.1	24.7	17.2	28.8	19.3	29.3	21.1
1955-1959	16.6	24.0	16.6	20.7	18.0	21.1	20.8	18.3	25.4	17.1	27.9	18.0	28.9	19.8
1960-1964	15.1	23.4	15.6	22.4	17.4	19.7	20.9	16.7	25.2	15.6	28.4	15.7	29.9	19.7
1965	17.3	22.0	16.4	23.0	16.8	19.9	20.1	13.0	25.2	15.4	28.2	17.1	28.7	20.7
1966	16.4	23.4	15.0	22.0	--	--	--	--	25.7	17.3	27.5	18.3	29.6	20.9
1967	16.3	23.2	16.9	23.9	18.7	21.9	23.7	15.3	25.2	20.4	27.7	17.7	28.4	21.0
1968	16.3	21.3	15.0	20.9	16.6	23.1	21.0	13.8	25.1	17.1	29.1	15.4	29.4	17.9
1969	15.4	22.2	15.6	20.2	15.9	20.5	20.9	18.3	24.5	14.4	28.7	16.3	29.2	21.0
1970	14.1	22.4	--	--	--	--	--	--	--	--	--	--	--	--
Mean	16.1	22.6	16.2	21.0	17.6	20.3	20.9	17.3	25.2	16.7	28.3	17.3	29.3	20.1
Maximum	22	28.2	24	27.0	23	27.0	26	26.0	30	25.6	33	28.4	33	27.6
Mean Max.	18.2	25.4	18.6	24.7	20.6	24.5	24.0	22.1	28.1	22.1	30.3	22.1	30.8	24.0
Mean Min.	13.4	18.4	13.6	13.1	15.3	13.9	18.1	12.2	22.7	11.2	25.9	12.4	27.7	15.0
Minimum	11	8.1	11	-1.6	11	1.2	16	9.9	20	2.5	23	3.1	26	2.1
													EUGENE	
1944	--	--	--	--	--	--	20.0	4.0	22.8	0.1	28.9	-0.2	29.9	1.0
1945-1949	10.9	1.3	11.6	0.5	15.9	0.7	20.9	0.6	24.7	0.4	28.0	0.8	28.9	0.6
1950-1954	13.8	3.1	14.0	1.7	16.4	1.6	19.1	0.6	24.4	1.0	28.8	0.5	29.4	1.4
1955-1959	11.9	3.9	12.8	0.6	15.7	1.3	20.1	1.0	25.6	1.3	28.2	0.9	29.7	1.3
1960-1964	9.2	1.2	11.7	1.6	15.4	1.8	19.8	-0.2	25.3	0.1	29.0	1.4	30.1	0.9
1965	12.6	2.9	11.4	1.7	12.9	-0.5	20.1	0.0	24.3	-0.1	28.9	0.9	29.5	1.1
1966	10.0	3.1	11.7	2.8	15.3	2.1	20.6	2.5	23.7	-0.2	26.8	0.1	29.5	0.5
1967	--	--	--	--	--	--	--	--	--	--	25.8	0.1	28.2	-0.1
1968	7.0	-0.7	8.6	-0.7	13.3	0.5	20.6	1.4	24.6	0.2	27.8	0.0	29.1	0.3
1969	9.8	3.1	9.9	-0.8	12.1	-0.7	18.7	-0.6	23.3	-0.5	28.3	-0.4	29.8	-0.3
1970	7.1	0.0	8.9	0.9	13.3	0.1	19.3	2.8	23.2	-0.3	27.3	-0.1	29.1	1.2
1971	8.5	0.3	10.6	2.0	12.8	-0.4	18.3	0.6	23.8	4.2	27.9	0.6	29.3	2.6

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
FLA.–continued															
30.4	14.2	30.1	13.8	23.8	15.7	16.9	16.7	15.6	16.8	22.1	13.0	32	22.4	6	-0.2
30.2	13.5	28.2	15.4	25.6	18.1	18.6	20.4	17.8	15.1	22.3	13.5	32	22.7	9	3.5
29.7	12.3	27.8	14.6	23.5	15.9	18.1	17.2	14.2	15.5	21.9	12.9				
33	22.9	33	23.8	30	24.2	25	24.5	22	24.3			33	25.3		
31.6	17.5	30.4	18.5	26.9	19.8	22.1	20.8	17.9	20.1						
27.4	8.0	24.8	10.2	19.8	11.7	13.9	13.0	10.6	9.8						
26	-0.3	22	1.4	16	2.7	9	3.2	7	-0.4					4	-0.8
ISLAND, ALA.															
28.4	14.8	--	--	--	--	16.7	13.2	12.8	13.5	--	--	32*	22.5*	8*	6.3*
27.2	12.2	25.3	11.6	21.8	15.6	15.8	12.5	14.9	6.8	20.4	12.4	31	23.7	7	1.3
29.4	13.7	26.3	17.1	23.0	19.5	15.0	19.0	10.9	15.6	19.8	12.4	31	25.6	5	-0.5
28.4	15.1	--	--	--	--	--	--	--	--	--	--	32*	24.7*	6	0.5*
29.5	11.1	27.4	14.4	25.1	13.8	17.3	17.0	15.6	8.1	--	--	32	22.9*	12*	1.4*
28.6	13.4	26.3	14.4	23.3	16.3	16.2	15.4	13.6	11.0	20.4	12.0				
31	18.4	28	21.2	29	25.6	25	23.3	18	22.9			32	25.6		
30.6	17.7	27.9	21.0	27.6	22.9	21.4	20.8	17.7	19.7						
26.3	8.9	23.2	9.0	18.5	11.7	10.8	10.2	9.0	4.4						
25	6.5	18	5.3	16	8.9	8	5.1	6	1.3					5	-0.5
8 miles SE. of), LA.															
29.0	20.4	28.1	20.3	26.6	20.8	21.9	23.2	19.7	23.8	--	--	30	25.5*	17*	12.1*
29.6	21.1	27.9	20.9	24.4	22.6	20.7	24.9	17.3	24.0	22.9	20.8	32	28.9	11	-1.6
29.3	20.9	28.2	20.9	25.3	22.5	21.3	24.1	18.2	23.5	23.0	20.9	32	27.0	11	3.7
29.9	20.6	28.9	21.5	24.9	22.9	21.3	23.8	18.1	23.8	23.0	20.5	33	27.6	11	2.5
28.7	21.5	--	--	24.3	22.0	22.4	22.6	19.6	24.8	--	--	30*	26.2*	14	11.7*
29.4	21.8	28.7	22.4	25.1	24.2	21.6	24.2	18.4	24.4	--	--	31	25.9*	12*	13.7*
28.8	21.3	27.5	21.6	24.0	23.9	20.6	23.8	19.6	23.0	23.1	21.4	31	26.8	14	3.1
30.2	18.1	28.0	20.9	26.1	23.8	20.2	25.1	17.3	24.4	22.8	20.2	32	26.6	13	10.8
29.0	20.2	28.0	21.0	25.1	23.0	--	--	18.1	25.1	--	--	33	26.3*	13	10.1*
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
29.4	20.8	28.3	21.2	25.0	22.7	21.2	24.1	18.1	23.9	23.0	20.7				
32	28.9	31	25.9	30	27.2	26	27.3	23	27.1			33	28.9		
31.0	23.8	29.9	23.8	27.6	24.8	23.8	25.8	20.6	25.9						
27.8	17.3	26.3	18.4	22.0	20.2	17.9	21.2	15.1	19.3						
26	8.9	24	14.2	18	13.5	14	15.6	11	12.1					11	-1.6
ISLAND, LA.															
29.9	5.5	28.8	7.9	22.9	6.2	18.8	7.3	11.9	3.4	--	--	32	22.1*	7*	-0.9*
29.3	2.4	27.6	6.0	23.9	5.8	18.5	5.0	13.6	3.2	21.2	2.3	33	22.1	3	-1.4
29.9	3.1	27.6	5.0	23.2	6.8	16.1	4.3	12.2	3.5	21.2	2.7	32	23.7	4	-2.7
29.7	2.0	28.2	6.2	23.0	5.9	16.6	4.4	12.4	3.6	21.2	2.7	33	21.4	4	-2.0
29.8	2.0	28.7	5.6	23.7	5.0	18.1	5.5	11.8	3.1	21.0	2.3	34	25.6	3	-2.1
29.6	2.6	27.9	4.8	21.9	3.6	20.7	8.1	14.4	7.8	21.2	2.7	32	23.9	3	-1.4
29.5	3.2	27.6	3.7	21.7	4.3	18.4	7.5	13.4	4.7	20.7	2.9	33	20.0	3	-1.8
26.9	0.5	26.5	6.6	22.7	5.6	16.6	3.7	14.5	3.8	--	--	30	18.7*	8*	-1.5*
29.9	0.2	27.7	5.5	24.3	4.1	16.1	3.8	11.2	-0.1	20.0	1.2	33	22.5	2	-1.4
29.8	1.5	27.8	4.2	23.3	5.3	15.4	0.7	11.6	0.6	20.0	1.0	33	21.1	4	-1.5
29.9	4.0	28.6	7.8	22.0	2.7	14.6	-0.1	13.3	1.3	19.7	1.7	32	21.6	4	-1.4
29.1	2.7	--	--	--	--	--	--	--	--	--	--	32	21.0*	6	-1.3*

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
												EUGENE ISLAND,		
Mean	10.8	1.9	11.9	1.1	15.3	1.1	19.9	0.8	24.6	0.6	28.3	0.6	29.4	1.0
Maximum	21	22.1	23	23.9	24	25.6	26	22.5	30	20.7	33	15.3	33	21.0
Mean Max.	15.4	10.8	16.7	9.9	20.2	10.3	23.8	9.0	27.7	6.7	30.6	6.7	31.4	6.9
Mean Min.	6.3	-0.8	7.5	-1.0	11.0	-0.9	15.4	-1.0	20.8	-0.8	25.4	-0.7	27.2	-0.7
Minimum	2	-1.5	2	-2.7	7	-1.7	10	-1.7	17	-2.1	23	-1.8	26	-1.5
												GALVESTON		
1957-1959	11.4	20.8	12.3	20.6	15.6	20.1	20.2	19.9	26.2	17.5	29.1	20.2	30.1	20.8
1960-1964	11.1	21.8	12.5	22.3	16.0	20.6	21.4	19.6	25.4	19.4	28.3	21.8	29.9	24.2
1965	15.2	22.3	12.9	21.8	14.8	22.4	22.6	18.4	25.7	15.1	28.1	18.3	29.2	25.3
1966	12.4	21.9	12.0	20.5	15.9	21.7	20.6	21.5	24.8	19.2	27.8	20.1	30.1	22.0
1967	11.6	23.1	13.4	21.3	18.1	21.2	24.8	19.0	24.9	20.6	28.1	20.2	28.2	26.2
1968	12.1	20.3	12.6	21.0	14.3	21.1	21.7	16.7	25.7	17.3	27.9	17.9	29.7	17.7
1969	12.1	20.3	14.2	20.6	14.4	20.1	21.0	17.7	25.3	14.2	28.3	17.2	30.3	23.0
1970	10.7	21.5	13.2	21.6	15.4	21.8	20.8	20.0	24.6	16.6	28.3	24.8	28.9	25.5
1971	13.9	21.5	14.4	21.5	16.2	20.7	20.6	18.6	25.1	20.0	28.3	22.7	30.1	26.8
Mean	11.9	21.5	12.8	21.5	15.7	20.9	21.4	19.2	25.4	18.2	28.3	20.8	29.7	23.5
Maximum	18	25.7	18	26.3	22	25.0	27	26.8	30	27.0	32	26.8	33	28.7
Mean Max.	14.8	23.7	15.3	23.9	19.6	23.1	25.0	22.2	28.2	21.6	30.5	23.9	31.7	26.0
Mean Min.	8.0	18.9	9.8	18.9	12.1	18.0	17.5	15.2	22.7	12.8	25.9	16.8	27.6	18.8
Minimum	4	14.7	8	15.8	9	16.0	15	11.1	21	1.6	24	12.1	26	2.2
												GALVESTON		
1922-1924	14.4	16.4	14.6	15.4	16.8	14.5	22.0	9.2	25.7	13.2	29.6	10.1	30.2	16.9
1925-1929	15.9	16.1	17.6	15.2	19.7	15.3	23.6	14.5	27.1	13.5	29.7	14.9	31.2	17.4
1930-1934	14.9	15.6	15.7	12.4	17.1	14.2	21.5	16.3	25.8	16.1	28.6	17.9	30.3	22.1
1935-1939	13.7	17.2	14.0	16.2	17.6	16.8	20.8	17.0	25.5	14.5	29.1	15.6	30.0	19.2
1940-1944	11.5	15.5	13.6	16.9	15.9	17.5	20.9	17.1	25.1	14.2	28.8	13.8	30.0	16.1
1945-1949	12.1	14.5	13.1	14.8	17.3	12.4	21.9	12.9	25.8	13.4	28.8	14.8	30.0	17.9
1950-1954	14.6	18.4	15.4	17.9	17.1	18.1	21.0	17.6	25.3	16.7	29.0	18.5	30.0	20.2
1955-1959	12.4	20.5	13.8	18.5	16.8	18.5	20.4	18.3	26.1	15.7	28.7	17.5	30.0	20.9
1960-1964	10.5	17.2	12.2	18.6	15.6	18.4	21.0	18.4	25.3	17.9	28.3	19.4	30.0	19.5
1965	14.3	18.9	12.8	20.5	14.2	18.7	22.1	16.8	25.2	15.5	28.6	12.3	29.6	18.7
1966	11.7	17.8	11.8	16.0	15.8	18.6	20.6	18.3	24.8	12.4	28.2	14.8	30.6	17.1
1967	10.7	20.6	13.3	19.7	17.7	20.4	24.1	19.1	24.9	19.0	28.4	18.6	28.6	22.0
1968	10.8	16.8	11.8	16.5	14.1	19.0	21.4	13.4	25.4	13.0	28.2	12.3	29.8	12.7
1969	12.2	18.1	14.1	17.7	13.9	15.1	21.0	11.7	24.6	10.8	27.9	11.1	30.4	18.7
1970	9.9	18.8	13.5	20.0	15.3	17.4	20.8	16.6	24.4	14.4	27.7	17.8	29.4	21.3
1971	13.2	19.3	14.2	20.3	16.2	20.2	20.2	18.7	24.8	19.9	28.4	21.0	29.9	25.5
Mean	13.1	17.1	14.2	16.7	16.8	16.6	21.4	16.2	25.6	15.1	28.8	16.0	30.2	19.1
Maximum	22	25.2	25	25.5	30	28.2	31	25.4	32	26.4	35	25.5	36	27.7
Mean Max.	16.6	21.5	17.7	21.0	20.4	21.3	24.9	20.7	28.2	20.2	30.9	21.3	31.9	23.3
Mean Min.	8.4	11.5	10.3	11.5	12.6	10.6	17.2	10.4	22.7	9.5	26.4	10.8	24.0	14.4
Minimum	2	2.2	3	1.5	6	1.1	11	1.1	20	-0.3	24	1.2	24	3.8
												BRAZOSPORT,		
1955-1959	12.7	20.4	14.6	17.5	16.6	18.9	20.8	18.6	25.5	16.0	27.9	19.3	28.8	22.6
1960-1964	10.8	15.8	12.9	16.8	16.1	18.8	21.3	19.5	25.0	19.5	27.7	20.3	28.8	21.9

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
LA.-continued															
29.6	2.4	27.9	5.7	23.3	5.5	17.3	4.7	12.6	3.3	20.9	2.4				
34	22.1	33	22.1	30	23.7	26	22.4	21	23.1			34	25.6		
31.6	11.0	30.7	16.3	27.4	16.2	22.4	15.5	17.7	13.9						
26.9	-0.5	24.4	0.0	17.8	-0.3	11.7	-0.6	8.0	-0.7						
22	-1.7	21	-1.7	12	-2.0	8	-2.0	3	-2.3					2	-2.7
(Gulf Coast), TEX.															
29.8	23.0	27.9	20.1	23.9	19.8	18.4	20.1	14.4	21.6	21.6	20.4	33	27.3	7	2.2
30.3	25.5	28.7	22.0	24.8	22.1	19.6	22.2	14.0	22.1	21.8	22.0	33	29.2	4	9.2
29.9	25.9	28.7	24.5	23.6	22.2	21.9	21.6	16.7	21.5	22.4	21.6	32	27.7	9	1.6
29.0	24.1	28.5	21.5	23.3	20.8	20.2	22.1	15.9	22.8	21.7	21.5	32	25.9	7	16.1
28.3	25.6	27.3	21.2	23.8	21.6	18.3	22.9	15.7	22.1	21.9	22.1	30	27.7	8	15.1
30.9	20.7	27.5	17.2	25.2	19.2	18.9	22.6	13.9	21.3	21.7	19.4	32	24.4	8	13.6
30.6	24.9	28.8	19.5	24.9	20.8	18.8	23.8	15.8	23.1	22.1	20.4	33	27.5	9	2.6
30.5	25.3	28.9	21.2	23.4	20.0	18.0	22.5	16.9	20.2	21.6	21.8	32	27.1	9	14.0
29.8	25.9	27.6	20.4	25.3	20.3	19.9	21.4	15.8	20.3	22.2	21.7	32	27.6	9	16.1
30.0	24.7	28.3	21.1	24.4	21.0	19.3	21.9	14.9	21.8	21.8	21.3				
33	29.2	32	28.7	29	24.7	25	25.8	21	25.9			33	29.2		
31.8	26.7	30.7	23.9	27.5	22.6	23.4	23.5	18.2	23.5						
27.9	21.2	25.3	18.4	20.9	19.0	15.4	19.9	11.8	19.8						
27	14.9	22	13.3	16	15.3	14	14.3	8	17.4					4	1.6
(Galveston Channel), TEX.															
31.1	22.6	28.8	20.5	24.3	18.6	19.7	18.3	17.1	17.1	22.9	16.1	34	25.9	4	1.8
31.8	21.3	30.3	19.5	27.9	16.6	21.3	16.4	18.1	16.2	24.5	16.4	39	27.0	6	2.0
30.3	22.6	28.9	21.9	25.1	19.8	19.9	20.6	15.0	19.2	22.8	18.2	33	29.9	6	1.1
30.3	22.8	28.4	20.9	23.9	20.1	17.4	19.7	13.5	19.0	22.0	18.2	33	27.8	6	1.1
29.9	21.7	28.0	19.4	24.7	17.5	18.6	17.0	14.4	14.4	21.8	16.8	32	26.5	2	1.5
29.9	20.5	28.3	17.8	24.1	16.1	19.2	16.3	15.1	15.8	22.1	15.6	32	26.9	3	2.0
30.2	22.6	28.1	20.1	24.1	19.3	17.4	20.1	14.1	20.7	22.2	19.2	32	27.9	3	3.1
30.1	22.5	28.1	19.9	23.9	18.6	17.8	18.9	13.9	19.8	21.8	19.1	32	27.7	7	-0.3
30.1	22.6	28.6	20.0	24.5	19.8	19.2	19.6	13.1	18.7	21.5	19.2	33	27.9	4	-0.5
29.8	22.8	28.6	23.6	22.7	20.3	21.8	20.0	16.0	18.8	22.1	18.9	32	25.7	9	1.2
29.2	20.0	28.3	17.7	23.4	19.0	19.6	20.3	14.9	21.1	21.6	17.8	32	24.0	6	3.7
28.2	22.2	27.1	20.2	23.4	20.3	18.8	20.4	14.9	19.6	21.7	20.2	31	24.3	7	15.9
31.2	17.6	27.5	14.8	25.0	15.6	18.1	19.5	13.3	18.8	21.4	15.8	33	22.3	7	4.8
30.9	22.7	28.6	18.6	24.8	19.5	17.9	20.6	14.9	21.3	21.8	17.2	33	25.6	9	1.9
30.3	22.7	28.6	20.1	22.7	17.6	17.2	19.4	16.7	19.4	21.4	18.8	32	26.1	6	7.9
29.8	24.7	27.7	20.3	25.4	19.3	19.4	19.9	15.8	17.9	22.1	20.6	31	26.9	7	13.9
30.3	22.1	28.5	19.9	24.4	18.6	18.8	18.8	14.8	18.2	22.3	17.9				
39	29.9	35	29.5	33	25.3	30	24.7	29	26.1			39	29.9		
32.0	25.0	30.8	23.2	27.8	21.4	23.4	21.9	18.9	21.6						
28.4	18.3	25.2	16.4	20.2	15.4	13.8	14.4	10.6	13.9						
26	9.4	21	2.4	15	6.0	9	-0.5	4	1.5					2	-0.5
FREEPORT HARBOR, TEX.															
29.3	24.1	27.7	20.3	23.4	17.3	18.0	18.7	14.5	19.3	21.6	19.4	32	28.4	4	1.2
29.4	24.9	28.4	23.2	24.0	20.0	19.1	17.6	13.6	17.0	21.4	19.6	32	28.8	3	-1.3

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
											BRAZOSPORT, FREEPORT			
1965	14.9	20.1	13.6	20.3	15.6	23.3	22.3	19.6	25.7	14.6	28.1	15.7	28.2	24.1
1966	11.5	14.4	11.9	14.1	16.0	18.7	20.7	19.4	--	--	--	--	--	--
1967	11.6	21.6	13.2	20.1	17.5	22.0	25.1	19.4	25.2	19.4	28.1	20.7	27.8	25.2
1968	11.1	12.4	12.1	15.0	--	--	20.9	15.2	24.9	12.9	27.0	11.1	28.8	13.7
1969	13.0	19.0	13.8	16.0	12.8	13.2	20.9	13.5	24.1	11.6	26.9	17.1	28.1	24.3
1970	10.1	20.4	13.2	20.7	16.3	15.7	21.2	16.8	24.1	15.8	27.2	19.0	28.9	23.1
1971	13.8	20.5	15.5	21.5	17.8	20.8	21.7	20.2	25.2	20.1	28.2	23.3	30.0	27.0
Mean	11.9	18.1	13.5	17.6	16.2	18.9	21.4	18.5	25.1	17.0	27.7	19.1	28.7	22.5
Maximum	18	25.5	22	24.9	23	25.6	27	26.2	29	26.7	30	27.2	32	28.4
Mean Max.	15.6	22.5	16.9	22.3	19.8	22.7	24.7	22.1	27.4	21.8	29.4	23.4	30.2	26.3
Mean Min.	6.8	13.1	9.2	10.4	12.1	12.9	17.6	11.7	22.6	10.2	25.3	11.8	26.6	14.8
Minimum	4	0.3	6	-2.1	8	3.8	14	-0.4	21	-0.2	23	0.1	24	0.5
													ROCKPORT,	
1948-1949	13.8	22.5	14.6	18.4	19.4	17.8	23.5	18.4	28.1	17.2	30.3	20.7	21.2	22.8
1950-1954	17.3	20.2	17.7	20.7	20.0	20.3	23.5	21.5	26.7	22.4	30.0	23.2	30.7	27.1
Mean	16.7	20.6	16.8	20.0	19.8	19.6	23.5	20.6	27.1	20.9	30.1	22.4	30.8	25.6
Maximum	24	26.5	24	27.1	25	25.1	29	26.5	31	27.6	33	27.2	34	30.3
Mean Max.	20.8	22.2	21.2	22.5	23.8	21.2	26.7	22.8	29.8	22.6	31.8	24.8	32.3	27.7
Mean Min.	11.5	19.0	11.2	18.2	14.3	18.0	19.2	19.2	24.4	19.5	28.2	20.1	29.4	22.6
Minimum	7	14.4	4	13.8	10	14.5	17	14.7	22	13.9	28	14.3	29	13.8
													PORT ARANSAS,	
1958-1959	11.7	23.2	13.2	22.5	17.2	23.4	20.5	22.3	26.4	22.5	28.6	23.8	30.0	26.6
1960-1961	13.2	21.3	14.2	22.7	16.6	22.1	21.2	22.8	25.4	22.2	28.1	25.2	30.0	27.4
1964	--	--	--	--	17.0	25.9	22.3	21.8	27.2	20.5	29.6	25.7	31.4	27.1
1965	16.9	23.7	16.4	24.1	16.6	24.9	22.8	22.0	26.3	20.9	29.1	23.4	30.6	27.2
1966	--	--	12.2	23.7	17.4	24.5	21.9	25.2	26.0	23.7	29.6	24.7	31.7	26.6
1967	--	--	--	--	--	--	25.9	24.0	25.7	25.9	29.3	25.6	29.3	27.3
1968	--	--	--	--	--	--	--	--	--	--	28.9	22.3	29.6	22.2
1969	14.7	22.8	15.9	22.2	15.1	21.4	22.3	21.4	25.3	18.8	28.1	22.7	28.2	26.3
1970	11.7	22.9	14.0	23.7	16.9	23.2	21.7	23.5	24.7	19.7	--	--	27.7	23.7
Mean	13.6	22.5	14.3	23.1	16.7	23.4	22.2	22.9	25.8	21.8	28.8	24.3	29.8	26.2
Maximum	19	25.7	21	25.7	21	26.8	27	27.0	30	28.4	31	29.5	33	31.2
Mean Max.	16.0	24.2	17.1	24.6	19.7	25.2	25.1	24.6	28.3	24.0	30.4	27.1	31.2	28.3
Mean Min.	11.0	20.4	11.4	20.7	13.3	21.3	18.8	20.6	23.7	19.0	26.8	21.8	28.1	23.3
Minimum	8	15.3	10	15.0	9	19.2	17	18.0	22	16.0	26	17.2	24	18.4
													PORT MANSFIELD,	
1963-1964	13.7	--	15.2	34.5	18.8	34.0	24.0	32.0	26.8	27.0	28.3	27.1	29.4	29.6
1965	17.1	34.8	16.3	33.1	18.2	34.9	24.3	30.9	26.4	28.0	28.6	27.4	29.3	30.8
1966	13.6	24.5	14.3	25.6	18.5	25.9	23.2	25.6	25.8	17.7	27.9	19.9	29.9	24.4
1967	13.2	30.3	16.0	28.3	21.1	27.6	25.4	26.4	25.8	28.1	28.3	28.6	28.6	30.2
1968	13.3	14.0	15.2	13.5	16.6	14.7	22.9	20.8	26.4	20.8	28.3	20.7	29.1	19.7
1969	16.5	26.8	17.9	24.9	16.1	23.9	23.4	24.3	26.6	--	28.4	25.7	29.6	28.1
1970	13.3	23.7	15.9	22.5	18.7	22.4	23.1	23.9	24.8	24.6	29.2	20.7	28.9	24.4
1971	16.3	26.4	17.4	25.8	20.6	26.6	--	--	25.6	26.0	27.5	25.2	28.9	26.9

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
HARBOR, TEX.-continued															
29.1	25.8	28.0	25.2	22.8	21.9	21.4	18.4	16.0	15.5	22.1	20.4	30	27.0	8	2.3
--	--	--	--	--	--	19.6	20.6	15.7	23.0	--	--	24*	24.7*	7	-2.1*
28.1	24.5	26.7	20.1	23.1	20.2	18.6	21.3	15.6	19.5	21.7	21.2	30	28.1	8	9.6
29.4	21.3	27.3	18.0	24.6	16.9	--	--	--	--	--	--	31	23.8*	6	0.1*
28.9	26.8	28.4	20.1	24.3	20.8	19.6	23.5	15.6	19.8	21.4	18.8	31	27.6	10	4.3
30.7	23.5	28.8	16.1	23.1	10.6	17.8	20.1	18.4	20.7	21.7	18.5	32	26.5	6	1.2
29.4	24.7	27.3	19.6	25.6	17.1	20.3	19.0	16.6	14.2	22.6	20.7	31	27.6	4	9.7
29.3	24.5	27.9	20.9	23.8	18.4	18.9	19.0	14.9	18.4	21.6	19.4				
32	28.5	31	28.8	30	26.3	26	26.4	21	26.3			32	28.8		
30.5	26.8	29.9	25.0	27.3	22.3	23.1	22.6	18.7	22.7						
27.3	20.8	24.3	15.0	19.5	13.5	13.4	14.6	10.4	11.7						
26	4.7	20	1.3	14	1.2	10	0.4	3	-1.3					3	-2.1
TEX.															
30.8	24.6	29.1	22.2	25.3	19.2	20.7	20.0	18.6	19.4	23.8	20.3	34	30.5	7	10.7
30.8	28.8	29.1	23.8	25.8	21.0	19.7	20.8	15.9	19.1	23.9	22.4	33	31.5	4	10.9
30.8	27.6	29.1	23.2	25.6	20.4	20.1	20.5	16.9	19.2	23.9	21.7				
33	31.2	32	31.5	30	27.1	27	27.2	22	24.2			34	31.5		
32.0	29.5	31.5	27.3	29.4	22.9	24.6	22.4	21.0	21.0						
29.2	25.6	26.2	18.6	21.9	18.2	15.1	19.2	12.4	17.1						
27	18.6	24	10.7	18	10.9	12	13.9	11	12.9					4	10.7
TEX.															
29.9	25.5	29.0	23.8	25.3	21.4	19.9	22.0	15.8	23.2	22.3	23.4	33	28.5	9	17.6
29.8	27.0	28.7	22.8	25.8	21.6	21.7	19.7	15.3	20.7	22.5	23.0	32	29.7	9	15.0
31.1	28.1	29.9	27.5	24.1	24.5	21.8	25.0	16.3	24.1	--	--	33	30.3*	13*	18.0*
29.9	29.1	29.3	29.1	25.7	25.8	--	--	--	--	--	--	31	31.8*	13*	17.8*
31.2	28.4	30.1	27.7	25.4	24.8	--	--	--	--	--	--	33	31.2*	10*	18.9*
28.6	27.5	28.3	24.1	24.7	21.2	20.9	23.3	17.1	23.5	--	--	31	29.5*	13*	14.4*
30.4	24.9	28.9	22.1	26.9	20.0	20.8	23.1	17.2	23.4	--	--	31	27.5*	14*	17.2*
29.4	27.3	29.1	22.5	24.8	22.6	19.4	24.8	17.1	24.7	22.4	23.1	31	27.9	13*	17.0
--	--	--	--	--	--	--	--	--	--	--	--	31*	26.3*	8*	18.2*
30.0	27.2	29.2	24.8	25.3	22.6	20.7	22.8	16.3	23.3	22.7	23.7				
33	31.5	32	31.8	30	28.0	27	27.1	21	25.9			33	31.8		
31.8	29.2	30.9	28.1	28.3	24.8	24.3	24.7	19.4	24.7						
28.3	25.1	26.8	21.7	22.1	20.4	16.3	20.7	13.0	22.1						
27	21.6	25	14.4	18	17.6	14	16.8	11	19.5					8	14.4
TEX.															
29.4	33.1	29.2	32.2	24.2	33.3	21.4	33.2	13.2	36.6	22.8	--	31	40.3	6	13.6
29.2	29.9	28.6	30.5	23.5	20.9	23.2	23.3	18.5	24.2	23.6	29.1	30	37.9	12	17.7
29.5	29.6	28.9	31.2	24.5	29.8	21.1	28.2	15.8	29.1	23.8	26.0	31	32.0	7	13.6
27.8	30.4	26.9	--	23.8	--	20.7	--	16.2	--	22.8	--	30	32.4*	6	23.5*
29.4	27.1	28.0	28.0	26.1	26.4	20.1	26.9	16.6	26.9	22.7	21.6	30	29.7	8	12.0
29.8	30.7	28.9	28.6	25.1	28.8	19.4	30.8	17.3	23.9	23.3	--	31	32.4*	9	19.5*
29.4	29.4	27.7	28.9	23.7	23.4	17.1	25.6	19.9	24.9	22.6	24.5	30	31.2	9	15.1
29.0	27.5	27.2	26.2	26.2	--	22.1	--	19.7	--	--	--	31	30.9*	6	13.6*

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
												PORT MANSFIELD,		
Mean	14.6	25.8	16.1	26.0	18.6	26.2	23.8	26.3	26.1	24.9	28.3	24.7	29.2	27.1
Maximum	22	36.4	21	37.2	24	37.9	28	38.4	29	31.0	31	30.5	31	32.9
Mean Max.	20.5	27.3	19.7	28.6	22.4	28.3	26.5	29.0	28.2	28.4	29.9	27.3	30.3	29.7
Mean Min.	8.1	23.4	11.9	22.3	13.9	23.0	20.4	22.4	23.4	21.4	26.1	20.3	27.7	23.3
Minimum	6	12.0	10	12.3	12	12.0	18	16.4	21	13.6	24	13.7	27	14.5
												BRAZOS SANTIAGO,		
1958-1959	13.2	22.9	14.8	23.1	17.3	24.3	19.9	24.4	25.7	26.7	27.4	26.1	26.8	27.1
1960-1964	13.8	24.8	14.6	25.7	17.4	25.9	21.0	25.8	24.6	26.2	25.7	27.5	25.1	27.9
1965	17.4	24.8	16.3	25.3	16.8	25.6	22.1	24.9	24.3	24.9	27.4	26.8	26.3	27.3
1966	14.8	23.6	13.6	24.0	16.4	24.1	21.0	25.4	23.7	24.6	26.1	26.3	27.1	26.0
1967	14.0	24.8	15.2	24.8	18.7	24.7	21.8	25.6	25.3	26.4	27.9	26.6	26.1	27.0
1968	13.9	22.1	14.9	22.5	15.9	24.7	20.9	24.4	24.7	23.8	25.8	26.1	27.6	26.3
1969	16.7	24.5	17.3	23.5	16.1	23.1	22.3	24.7	25.7	21.6	26.7	25.5	25.7	26.9
1970	13.3	24.2	15.3	24.3	17.1	24.6	20.6	25.6	23.7	23.7	25.9	25.9	26.0	27.1
1971	16.6	24.0	18.1	25.1	20.7	26.7	22.4	25.7	24.5	26.2	24.8	27.3	25.1	27.2
Mean	14.6	24.2	15.3	24.6	17.4	25.1	21.3	25.3	24.7	25.3	26.3	26.7	25.9	27.2
Maximum	21	28.1	21	28.7	23	28.9	25	28.6	28	29.7	31	29.6	32	29.5
Mean Max.	18.3	25.9	18.3	26.1	20.4	26.5	24.0	26.8	26.9	27.1	28.7	27.7	28.8	28.0
Mean Min.	9.6	22.3	10.9	22.8	13.6	23.5	18.0	23.6	22.2	23.1	23.4	25.3	23.7	26.5
Minimum	6	16.4	5	17.4	10	19.5	16	22.1	20	20.2	21	23.0	22	24.9
												PORT ISABEL,		
1944	--	--	--	--	--	--	23.0	25.4	25.6	24.6	28.7	24.7	29.6	27.6
1945-1949	15.3	24.3	16.4	23.5	19.3	23.7	23.3	24.5	26.8	24.4	28.9	26.1	29.8	27.7
1950-1954	18.1	25.8	18.7	25.9	20.8	25.5	23.8	26.1	26.9	26.6	29.2	26.2	29.6	27.9
1955-1959	16.3	24.0	18.1	24.9	20.1	24.2	23.4	24.9	27.5	25.8	29.4	26.5	29.6	27.1
1960-1964	14.2	24.8	16.4	25.4	19.4	25.0	23.5	25.3	26.3	24.9	28.6	26.5	29.4	27.4
1965	18.1	25.1	17.3	25.3	18.0	25.6	24.3	25.3	26.6	24.5	29.2	26.8	29.6	27.7
1966	14.9	24.0	14.7	23.5	18.7	24.2	23.3	25.7	26.3	23.1	27.9	26.5	29.6	26.6
1967	15.1	25.7	16.9	25.4	20.7	24.8	24.9	26.0	26.2	27.2	28.9	27.6	28.6	27.9
Mean	16.0	24.8	17.3	25.0	19.8	24.7	23.6	25.3	26.8	25.4	29.0	26.4	29.6	27.5
Maximum	23	28.9	24	28.3	25	28.3	28	28.0	31	28.6	32	28.9	32	29.6
Mean Max.	19.8	26.2	20.3	26.1	23.1	26.1	26.2	26.6	29.1	26.9	30.6	27.8	30.8	28.4
Mean Min.	10.2	22.9	13.3	22.9	15.1	23.2	20.1	23.7	23.9	23.2	27.4	24.0	28.0	26.2
Minimum	3	14.3	7	14.2	8	12.9	17	18.7	22	17.9	26	14.5	26	23.7
												CIUDAD MADERO,		
1962-1964	17.4	8.8	19.4	11.6	22.5	14.4	25.0	13.0	27.0	12.6	27.7	12.6	28.8	3.7
1965	20.9	8.6	20.2	12.2	21.0	13.6	25.7	13.0	26.8	13.3	27.8	14.5	28.8	4.4
1966	18.8	9.8	18.2	9.5	21.2	9.7	24.2	11.0	27.1	7.8	27.7	9.9	29.5	0.6
1967	17.9	6.7	19.8	7.9	23.1	9.2	26.1	13.9	26.2	17.7	28.5	16.0	28.3	12.6
1968	19.2	5.5	19.7	7.3	20.3	7.6	24.9	9.3	27.7	6.2	28.9	6.9	28.3	1.5
1969	20.8	7.0	21.2	11.7	21.0	12.2	26.1	14.4	27.8	13.3	29.2	18.0	29.9	5.2
1970	19.8	6.2	20.6	7.8	22.0	12.2	25.1	16.6	26.8	16.8	28.4	8.7	28.5	0.4
1971	21.6	7.9	22.1	9.6	23.3	12.3	24.4	14.7	26.7	15.9	28.2	9.8	29.0	1.7

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
TEX.-continued															
29.2	30.1	28.3	29.7	24.6	28.0	20.7	28.8	16.7	27.6	23.0	27.1				
31	39.7	31	36.3	28	40.3	27	38.8	23	39.5			31	40.3		
30.4	32.4	30.1	32.3	27.3	30.8	24.4	31.2	21.6	29.5						
27.6	27.0	24.6	24.6	20.7	24.7	15.6	26.2	11.7	25.1						
26	21.3	21	13.6	18	17.7	11	19.6	6	21.5					6	12.0
TEX.															
27.4	27.3	27.6	27.3	24.7	24.9	19.3	24.8	16.1	23.1	21.7	25.2	32	28.3	5	12.7
26.2	28.0	28.4	27.8	26.6	27.1	22.3	26.5	15.6	25.4	21.8	26.6	32	29.7	7	21.5
27.7	27.2	28.2	27.2	24.4	25.3	23.9	24.8	20.4	24.7	22.9	25.7	30	28.9	10	22.3
25.8	26.9	28.7	26.8	25.9	25.5	22.8	25.7	18.9	25.6	22.1	25.4	30	27.8	9	20.2
26.3	26.9	27.8	23.7	--	--	22.3	24.3	18.0	23.2	--	--	30	27.6*	10	14.9*
28.7	27.0	28.7	25.5	26.9	23.5	21.9	25.5	19.0	25.1	22.4	24.7	31	27.6	9	16.4
25.3	27.2	29.2	25.5	26.0	25.2	20.7	26.0	18.5	25.8	22.5	25.0	31	27.9	11	20.2
27.8	27.4	27.5	26.9	24.8	24.2	19.5	25.0	20.6	25.8	21.8	25.4	31	27.8	10	26.6
26.9	27.3	27.5	25.4	26.7	22.4	23.8	24.4	18.8	22.4	23.0	25.3	30	28.5	9	18.5
26.7	27.5	28.2	26.6	25.8	25.2	21.7	25.5	17.6	24.6	22.1	25.7				
31	29.4	32	29.5	30	29.0	28	28.4	24	29.1			32	29.7		
29.3	28.1	30.2	28.0	28.4	26.9	25.4	27.0	21.7	26.6						
23.9	26.8	25.2	24.4	20.8	23.0	15.2	23.8	11.9	22.0						
22	25.6	19	17.6	14	18.7	9	18.5	6	12.7					5	12.7
TEX.															
29.7	26.6	27.6	11.9	24.9	21.5	21.3	24.8	16.3	25.2	--	--	32	29.0*	13*	4.0*
29.8	27.4	29.1	26.7	26.2	22.8	22.0	25.6	18.2	25.1	23.8	25.2	33	30.1	6	9.2
29.4	27.8	29.1	26.6	25.9	24.8	20.8	26.2	17.4	26.5	24.1	26.3	32	31.0	7	13.1
29.9	27.8	29.4	26.2	25.9	24.2	20.1	23.1	17.7	24.6	24.0	25.3	32	29.6	6	7.0
29.6	27.6	29.0	25.3	26.3	25.1	21.9	25.5	16.4	25.0	23.4	26.5	32	28.9	3	8.7
29.6	27.2	28.9	27.1	24.6	25.1	24.2	24.9	19.8	24.6	24.2	25.8	31	28.3	15	22.3
29.0	27.6	29.3	27.3	25.8	25.7	22.7	26.4	18.2	26.4	23.4	25.6	31	28.3	9	18.7
28.1	27.6	--	--	--	--	--	--	--	--	--	--	30*	28.8*	8	24.1*
29.6	27.6	29.1	25.7	25.9	24.3	21.4	25.1	17.5	25.3	23.8	25.6				
33	30.1	32	29.9	31	29.3	27	31.0	24	30.0			33	31.0		
30.9	28.5	30.8	28.4	29.1	26.9	25.1	27.2	21.8	26.7						
27.7	24.8	26.5	21.9	21.9	20.5	16.2	23.6	12.4	24.0						
26	8.9	24	4.0	17	8.0	12	7.0	8	17.7					3	7.0
MEXICO															
29.3	7.7	28.7	4.9	27.2	3.4	24.3	5.5	19.6	7.3	24.7	8.8	31	27.0	11	-0.3
27.9	1.0	29.2	2.5	26.2	2.3	25.5	4.4	22.5	8.3	25.2	8.2	30	26.0	17	-0.2
28.9	1.2	28.2	1.7	25.3	1.0	23.8	2.0	19.8	5.3	24.4	5.8	31	27.2	16	-0.6
27.5	14.8	26.1	0.0	25.1	-0.1	23.6	1.3	21.8	3.8	24.5	8.6	30	28.5	14	-1.0
29.1	1.9	27.9	1.0	27.2	0.6	24.4	3.4	21.1	5.4	24.9	4.7	32	18.6	17	-0.7
28.7	5.1	27.4	-0.1	27.3	0.7	24.3	2.2	22.3	4.0	25.5	7.8	32	27.4	17	-0.7
29.7	1.0	28.2	1.2	25.8	0.4	22.3	3.3	23.6	6.2	25.1	6.7	31	28.1	15	-0.6
28.4	1.8	28.1	1.0	26.2	-0.1	25.2	2.5	23.9	5.4	25.6	6.9	32	28.1	17	-0.7

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
												CIUDAD MADERO,		
Mean	19.3	7.7	20.1	9.9	21.9	11.7	25.2	13.2	27.0	12.9	28.2	12.2	28.9	3.8
Maximum	26	16.5	24	26.0	26	27.2	29	28.1	31	28.5	32	28.3	32	25.6
Mean Max.	22.6	13.2	22.1	18.7	24.4	22.6	27.6	25.0	29.4	24.5	30.4	25.0	30.3	10.6
Mean Min.	15.5	3.6	17.7	5.7	18.4	6.7	22.6	5.6	24.7	5.2	25.8	2.1	26.6	0.6
Minimum	11	0.4	15	3.3	17	4.5	21	2.9	23	1.0	24	-0.3	26	-0.4
												TAMPICO,		
1956-1959	20.8	6.6	23.0	8.0	23.7	9.1	25.7	9.1	28.8	13.4	29.1	12.6	28.9	3.7
1960-1964	21.4	10.6	22.0	12.2	23.5	15.5	25.8	15.5	27.9	15.1	28.4	14.4	28.9	5.7
1965	20.8	8.2	20.2	11.0	21.1	13.6	25.7	12.7	26.9	12.8	27.8	15.0	28.2	4.7
1966	18.6	9.7	17.7	9.6	20.3	10.9	24.7	11.7	26.9	9.7	28.1	11.1	29.6	0.8
1967	17.9	6.7	19.8	7.7	23.1	8.8	26.4	11.5	27.2	14.8	29.0	14.8	28.5	12.3
Mean	20.8	8.5	21.7	10.1	23.1	12.2	25.7	12.5	27.9	13.8	28.6	13.9	28.9	6.8
Maximum	29	23.4	32	23.7	28	25.0	29	25.2	31	27.6	32	26.8	32	25.6
Mean Max.	23.6	13.5	24.9	15.8	25.7	18.6	28.6	20.0	29.9	22.4	30.8	23.8	30.5	12.4
Mean Min.	16.8	3.4	18.2	3.6	19.3	6.4	22.9	6.0	24.9	6.0	26.3	1.8	26.4	2.9
Minimum	14	0.4	15	-1.0	17	-1.3	21	-0.7	22	0.3	24	-0.6	24	-1.1
												TUXPAN,		
1958-1959	19.9	22.1	21.8	23.5	23.4	24.4	26.0	--	27.5	--	--	--	27.9	7.2
1960-1964	19.3	20.1	21.2	22.6	22.8	24.2	25.2	23.3	27.7	23.2	29.0	16.6	28.6	8.7
1965	22.8	15.1	21.9	24.0	22.3	25.8	26.1	23.4	28.1	18.0	28.6	19.2	28.1	7.8
1966	19.4	21.6	18.4	21.2	21.0	21.2	24.9	23.5	27.6	20.3	28.4	16.8	29.2	3.2
1967	19.8	20.0	20.5	20.0	23.0	19.1	25.9	22.4	27.7	17.5	29.1	13.2	28.9	9.8
1968	20.5	18.9	20.3	19.3	21.3	20.5	25.1	21.9	26.6	16.8	26.9	12.9	27.6	4.3
1969	20.8	13.0	22.1	16.2	20.5	17.5	25.8	18.2	28.3	19.2	28.0	25.4	27.7	8.1
1970	20.5	18.8	20.2	16.8	21.8	17.4	24.5	28.1	26.3	27.2	27.8	12.9	27.5	3.3
1971	21.2	23.2	21.8	25.0	23.2	26.5	25.2	18.3	27.6	25.3	27.1	19.5	28.6	6.6
Mean	20.2	19.4	21.0	21.4	22.3	22.6	25.3	22.7	27.6	21.7	28.3	16.9	28.3	7.1
Maximum	29	27.9	27	29.2	27	29.2	29	29.6	33	30.7	32	29.8	32	28.6
Mean Max.	23.7	25.6	24.4	25.6	25.1	26.5	28.1	27.7	30.3	27.4	30.9	27.1	30.6	15.6
Mean Min.	15.7	12.3	17.9	16.1	19.2	17.4	22.3	14.3	24.5	14.4	25.4	4.1	26.0	1.5
Minimum	12	6.1	14	12.2	17	11.9	21	-1.8	23	-0.7	23	-1.5	23	-2.0
												VERACRUZ,		
1953-1954	22.8	26.8	23.2	26.8	24.4	26.9	26.6	26.6	27.2	26.6	29.0	26.0	29.3	23.9
1955-1959	22.1	26.4	23.1	26.5	24.0	26.8	25.7	26.9	27.6	26.8	28.7	26.3	28.7	23.4
1960-1964	21.6	26.4	22.2	26.5	23.4	26.7	25.3	26.6	27.2	26.5	28.4	26.2	28.8	23.9
1965	23.2	26.3	22.7	26.5	23.4	26.5	26.3	26.5	27.9	26.2	28.1	25.4	28.5	22.8
1966	21.5	26.1	19.9	25.6	21.9	25.4	25.3	25.8	27.6	25.6	27.8	24.9	29.6	21.9
1967	21.6	26.3	21.6	26.4	24.0	26.1	26.2	26.0	25.9	26.5	28.3	25.9	29.2	24.3
1968	22.5	26.1	21.8	25.9	21.7	25.6	25.4	26.0	27.4	26.0	28.3	25.8	29.3	23.8
1969	22.1	25.4	23.2	26.3	21.2	25.0	25.7	25.1	27.7	25.9	28.8	25.8	29.6	23.1
1970	21.6	26.6	21.5	26.6	22.9	26.6	25.8	26.6	26.0	26.6	28.0	25.7	29.5	23.7
1971	23.1	26.4	23.7	26.8	24.4	26.7	24.6	26.6	26.8	26.6	28.6	26.1	28.4	24.6
Mean	22.1	26.3	22.5	26.5	23.4	26.5	25.7	26.5	27.2	26.5	28.5	26.0	29.0	23.6
Maximum	26	27.5	28	28.1	29	28.4	30	29.5	31	29.3	32	28.6	32	27.3
Mean Max.	24.2	26.8	24.5	26.9	25.7	27.0	27.8	27.1	29.2	27.0	30.1	26.9	30.7	25.6
Mean Min.	19.8	25.9	20.8	26.0	21.1	26.0	23.6	25.9	25.3	25.7	26.9	24.6	27.0	20.5
Minimum	17	25.2	18	24.9	19	24.0	20	24.3	23	24.0	24	22.1	25	13.2

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
MEXICO-continued															
28.8	5.0	28.1	2.2	26.4	1.3	24.2	3.3	21.6	5.9	24.9	7.4				
32	27.8	31	25.2	30	6.4	28	10.1	26	14.3			32	28.5		
30.4	11.1	29.9	6.3	28.2	3.2	26.5	6.9	24.1	10.4						
26.9	0.7	25.3	0.1	24.1	-0.1	21.4	1.2	18.8	2.8						
24	-0.5	23	-1.0	23	-0.7	19	-0.6	14	1.4					11	-1.0
MEXICO															
30.2	3.3	29.3	3.3	27.2	2.0	23.9	3.5	21.6	6.6	26.0	6.8	33	23.7	16	-1.7
29.3	8.0	29.1	6.3	27.3	3.4	25.0	6.4	20.8	6.6	25.8	10.0	32	27.6	14	-1.3
27.4	2.4	28.6	2.6	25.3	2.5	24.9	4.7	22.1	8.5	24.9	8.2	29	24.3	17	-0.1
29.4	1.5	28.5	2.1	25.5	1.2	23.8	2.2	19.8	5.4	24.4	6.3	31	24.2	15	-0.2
27.9	14.7	--	--	--	--	--	--	--	--	--	--	30*	27.0*	14*	-0.4*
29.3	6.2	29.1	4.6	26.9	2.6	24.4	4.8	21.2	6.7	25.6	8.6				
33	27.0	32	25.0	32	14.9	31	23.8	26	21.6			33	27.6		
31.0	12.4	30.7	10.8	29.3	6.0	27.5	11.2	24.2	12.2						
27.3	1.1	26.6	0.5	24.2	0.6	20.8	0.9	18.1	2.3						
24	-1.4	24	-0.9	21	-0.9	19	-1.7	14	-1.3					14	-1.7
MEXICO															
29.8	7.8	28.7	8.3	26.3	--	23.4	6.4	22.1	--	--	--	32	26.5	18	0.3
29.1	10.2	28.9	9.3	27.4	9.4	24.8	13.5	22.0	16.0	25.5	16.4	33	28.2	12	-1.8
27.2	2.6	28.7	4.3	25.9	8.3	25.3	12.3	22.6	20.5	25.6	15.1	31	28.0	18	-0.6
29.3	7.7	27.7	4.7	25.8	6.7	24.1	9.2	21.1	18.4	24.7	14.5	32	28.0	15	0.6
28.4	10.8	26.2	1.5	25.1	5.1	24.4	9.2	22.7	14.5	25.1	13.6	31	29.0	14	-0.7
26.9	4.4	26.7	3.7	26.1	5.2	23.5	9.4	20.5	12.1	24.3	12.4	30	27.2	13	-1.2
27.7	6.4	26.6	1.4	27.1	8.2	25.9	14.7	22.0	13.7	25.2	13.5	32	29.4	17	-2.0
29.0	4.9	27.3	3.6	25.5	6.7	22.5	16.3	23.2	20.8	24.7	14.7	31	30.7	16	-1.5
28.0	5.6	28.2	5.9	26.5	1.6	24.4	7.6	24.4	15.9	25.5	15.1	32	30.4	15	-1.0
28.7	7.8	28.1	6.1	26.6	7.4	24.4	11.8	22.2	16.3	25.2	15.1				
33	24.8	32	26.8	32	26.7	29	28.1	31	30.4			33	30.7		
30.9	15.4	30.4	12.9	29.5	16.2	27.6	21.8	25.9	25.4						
25.7	1.7	24.3	1.4	23.0	1.7	20.2	3.3	18.4	9.2						
23	-0.7	21	-1.1	21	-1.0	16	-0.8	15	2.5					12	-2.0
MEXICO															
30.0	24.4	28.7	25.6	27.4	25.6	25.1	26.0	23.1	26.4	26.4	26.0	33	29.5	20	17.8
29.6	24.0	28.9	25.1	27.5	25.4	25.2	26.1	22.9	26.3	26.2	25.8	32	28.6	19	13.2
29.6	24.0	29.1	25.4	27.6	25.8	25.7	26.5	23.4	26.4	26.0	25.9	32	27.6	17	19.6
28.9	23.3	29.3	24.6	27.3	25.4	25.9	25.7	23.8	26.1	26.3	25.4	31	27.4	20	19.3
28.9	23.9	28.9	24.8	27.0	25.5	--	--	22.6	26.1	--	--	32	26.6*	18	19.7*
29.7	23.9	28.3	24.7	26.3	24.6	24.9	25.8	24.1	26.1	25.9	25.6	32	26.9	19	20.8
29.9	22.6	28.8	24.5	28.2	25.1	24.5	25.6	23.0	26.1	25.9	25.3	31	26.8*	19	20.4*
29.0	23.0	28.5	19.8	28.0	24.9	25.3	25.8	22.8	26.2	26.0	24.7	31	26.7	19	16.2
29.7	23.5	27.9	23.9	26.9	25.4	23.8	26.3	24.4	26.2	25.7	25.6	32	27.2	19	20.8
29.1	23.5	29.0	25.9	28.1	24.5	26.3	26.1	25.3	26.5	26.4	25.9	31	28.1	20	21.3
29.6	23.8	28.8	24.8	27.5	25.4	25.3	26.1	23.4	26.3	26.1	25.7				
33	26.7	32	27.4	31	27.3	28	27.4	28	27.2			33	29.5		
31.3	25.6	30.6	26.2	29.4	26.2	27.2	26.8	25.4	26.6						
27.6	21.2	27.4	22.8	25.4	23.8	23.2	25.3	21.4	25.6						
26	17.8	26	15.5	24	20.4	21	23.3	19	22.9					17	13.2

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
													ALVARADO,	
1955-1959	22.8	--	24.3	--	24.6	--	26.8	--	28.7	--	28.6	--	28.3	--
1960-1964	21.8	5.5	23.2	7.6	24.7	8.1	25.9	7.3	27.3	5.0	27.6	3.1	26.0	0.4
1965	22.6	2.0	23.0	3.1	23.8	3.8	25.3	3.9	27.2	2.4	28.0	1.9	26.7	0.2
1966	22.3	2.4	22.2	3.1	23.3	2.9	26.8	5.0	28.2	4.0	28.4	1.8	24.4	0.2
1967	22.2	5.5	21.9	5.2	22.6	4.5	25.2	7.3	26.7	6.1	27.4	2.4	27.2	0.7
1968	22.2	10.0	27.7	12.0	22.6	7.7	24.9	8.1	27.3	9.3	26.7	3.0	25.4	0.0
1969	21.9	1.2	23.1	1.8	23.2	4.4	24.9	6.4	26.2	2.8	26.4	2.4	24.7	0.5
1970	21.0	1.3	19.8	1.2	22.2	3.5	26.0	4.5	26.6	2.6	26.8	1.5	26.3	0.4
1971	21.7	5.2	21.9	4.8	22.2	4.5	22.6	4.1	24.8	6.6	26.0	3.1	26.1	0.7
Mean	22.2	4.6	23.0	5.8	23.9	6.0	25.8	6.3	27.4	4.9	27.6	2.6	26.6	0.4
Maximum	27	25.2	28	22.9	29	24.6	31	17.5	32	17.6	32	16.4	31	2.7
Mean Max.	24.7	9.9	25.4	11.7	26.4	13.0	28.3	13.6	29.7	10.5	29.9	7.1	29.2	1.4
Mean Min.	18.9	0.8	20.5	2.1	21.3	2.0	23.0	2.9	24.9	2.1	25.2	0.5	24.3	-0.3
Minimum	17	-0.8	18	0.6	19	1.0	19	0.6	22	0.1	23	-0.6	22	-1.4
													COATZACOALCOS	
1946-1949	22.6	1.1	23.6	2.3	25.8	4.3	27.6	9.9	29.1	11.6	29.4	10.6	28.1	3.8
1950-1954	23.7	2.3	24.2	4.0	26.4	6.5	27.8	9.1	28.9	12.1	29.1	6.7	27.4	0.7
1955-1959	22.4	2.0	24.9	3.3	26.1	5.8	27.7	9.1	29.0	11.9	28.7	7.4	27.4	1.3
1960-1964	22.4	1.5	23.8	2.7	25.9	5.4	27.6	7.8	28.9	10.8	29.0	9.7	26.9	0.5
1965	22.7	0.1	23.8	1.9	24.7	3.1	28.9	8.6	30.3	8.6	29.6	13.2	26.7	-0.6
1966	22.3	1.7	22.6	1.0	24.4	2.3	28.4	5.2	30.2	8.0	29.6	3.7	27.3	-0.6
1967	22.0	1.3	22.9	1.6	25.8	4.4	28.6	7.6	27.8	13.8	28.6	8.9	27.3	0.3
1968	21.9	0.1	22.8	1.7	23.2	2.0	27.6	5.9	29.8	11.2	29.7	9.1	27.6	0.0
1969	23.1	1.7	25.4	4.5	24.4	8.3	28.2	6.0	29.4	11.6	29.3	12.6	28.1	0.7
1970	22.8	3.6	22.6	4.1	25.1	6.8	28.0	10.6	27.6	13.2	28.2	3.6	26.8	-0.8
1971	24.3	3.3	25.1	6.7	26.2	9.1	26.6	9.3	29.3	12.8	29.9	8.5	28.0	1.3
Mean	22.8	1.8	24.0	3.1	25.7	5.5	27.8	8.5	29.0	11.6	29.1	8.4	27.4	1.0
Maximum	27	25.2	29	18.6	30	26.8	31	27.3	32	28.4	35	26.8	32	20.0
Mean Max	24.9	7.7	26.2	8.7	28.2	16.4	30.2	22.0	31.3	22.5	31.3	19.7	29.4	4.7
Mean Min.	20.7	-0.2	22.1	0.8	22.8	2.0	25.0	3.0	26.7	4.6	27.2	1.5	25.6	-0.5
Minimum	19	-1.2	19	-0.2	19	0.0	23	0.2	24	-0.6	25	-1.1	24	-1.5
													CARMEN,	
1956-1957	24.8	14.7	26.2	--	26.3	--	28.5	--	29.6	--	30.6	--	29.4	--
--														
1959	25.1	--	26.4	--	25.9	--	26.4	--	26.9	--	27.6	--	27.4	--
1960-1964	25.1	20.6	25.3	21.5	26.1	23.1	27.2	24.2	28.1	25.1	28.8	25.9	28.7	22.8
1965	24.2	19.7	24.8	22.6	25.2	22.8	26.6	24.3	26.8	24.8	28.5	25.5	--	--
1966	23.9	17.1	23.9	20.9	24.8	23.3	27.3	23.0	27.8	23.8	28.6	24.7	28.5	24.4
1967	23.4	19.7	23.9	21.6	24.1	22.8	23.9	24.3	24.5	26.8	28.4	28.1	28.3	23.9
1968	26.9	19.7	27.4	21.0	24.8	23.1	27.3	25.2	27.7	27.2	28.1	24.8	28.2	23.9
1969	25.0	18.7	25.5	21.7	25.6	25.6	27.5	25.9	29.0	28.0	30.3	26.0	30.2	22.1
1970	24.2	17.9*	23.6	22.3	25.4	23.9	26.9	24.8	25.8	24.3	29.5	25.8	29.2	24.1
1971	24.7	20.2	24.2	23.6	25.4	25.1	25.2	--	28.0	--	28.2	27.3	28.1	28.6
Mean	24.7	19.3	25.2	21.8	25.6	23.5	26.8	24.4	27.6	25.5	28.8	26.0	28.7	23.7
Maximum	29	27.0	28	28.5	29	29.0	30	30.0	31	29.7	32	29.4	32	29.9
Mean Max.	26.8	24.5	26.7	26.1	27.3	26.9	28.3	26.7	28.9	27.4	29.5	28.0	29.6	26.9
Mean Min.	22.2	13.4	23.1	17.3	23.4	19.4	25.2	21.2	26.2	23.0	28.0	23.5	27.8	19.1
Minimum	19	6.9	19	11.0	22	17.2	23	18.2	23	19.8	27	17.7	27	14.0

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
MEXICO															
28.7	--	27.6	--	26.3	--	25.2	--	24.1	--	26.3	--	32	--	18	--
27.9	0.6	27.7	0.4	26.4	0.1	25.3	1.3	23.6	4.8	25.6	3.7	32	24.6	17	-1.5
24.9	-0.6	24.2	-0.2	24.4	0.8	25.7	1.5	23.8	2.7	25.0	1.8	30	7.4	21	-0.8
26.4	0.1	25.3	0.2	24.6	0.4	23.2	0.6	22.6	9.9	24.8	2.6	31	17.2	19	-0.8
28.2	1.2	25.4	1.2	24.2	1.3	23.8	2.3	23.6	8.8	24.9	3.9	29	27.9	19	0.0
28.0	-0.4	25.6	-0.4	24.7	0.5	22.5	1.7	22.6	1.7	24.6	4.4	--	25.2*	19*	-1.0*
25.8	-0.4	25.9	-1.2	26.5	-1.0	23.0	2.2	20.3	1.6	24.3	1.6	29	13.7	17	-2.8
26.4	-0.4	25.8	-0.4	25.4	1.8	21.5	0.9	22.1	1.2	24.2	1.5	29	11.8	17	-2.4
26.2	0.1	26.2	-0.2	--	--	22.5	0.5	--	--	--	--	29	10.7*	18*	-0.9*
27.6	0.2	26.8	0.1	25.8	0.4	24.4	1.4	23.3	4.5	25.3	3.1				
32	2.9	31	2.9	30	11.8	29	11.6	28	27.9			32	27.9		
29.6	1.3	28.8	1.1	28.3	2.9	26.8	4.0	25.7	11.3						
24.8	-0.5	24.3	-0.9	23.4	-0.7	21.6	-0.1	21.1	0.7						
22	-1.8	22	-2.8	21	-1.8	17	-1.0	19	-0.6					17	-2.8
(Puerto Mexico), MEXICO															
28.8	3.2	27.6	1.1	26.0	0.2	24.9	1.0	23.8	1.9	26.4	4.2	32	27.3	20	-1.1
27.8	0.1	26.9	-0.2	25.2	-0.4	24.2	0.5	23.4	1.8	26.2	3.6	35	28.4	20	-1.1
27.4	0.0	26.8	-0.1	25.8	0.1	24.6	0.4	22.7	0.7	26.1	3.5	32	26.8	16	-1.4
27.6	0.1	26.6	-0.2	25.6	-0.1	24.7	0.6	23.3	1.1	26.0	3.3	32	27.1	19	-1.6
27.6	-0.6	28.0	-0.7	25.6	-0.7	24.6	-0.7	23.7	1.2	26.4	2.8	32	21.6	21	-1.3
28.7	0.5	26.6	-0.6	25.5	-0.9	23.4	-0.4	21.7	0.3	25.9	1.7	32	16.0	20	-1.8
28.0	0.0	26.9	-0.5	24.8	-1.0	24.2	0.2	24.5	1.5	25.9	3.2	31	22.8	20	-1.7
26.7	-0.4	26.8	-0.8	25.8	-1.0	24.8	-0.1	23.1	0.6	25.8	2.4	32	25.4	21	-1.7
27.2	-0.4	26.4	-0.9	26.3	-0.9	23.8	-0.3	23.2	0.7	26.2	3.6	32	23.8*	20	-1.3*
28.0	-0.4	26.6	-1.3	25.8	-1.9	22.5	-0.4	24.1	1.6	25.7	3.3	31	23.8	19	-3.1
27.2	-0.5	27.8	-0.9	26.3	-0.9	24.8	-0.3	25.3	0.9	26.7	4.1	32	25.8	22	-1.5
27.8	0.5	27.0	-0.1	25.7	-0.3	24.4	0.4	23.3	1.2	26.2	3.5				
31	17.4	31	5.5	30	3.8	29	7.6	29	19.4			35	28.4		
29.3	2.2	28.2	1.1	27.6	0.6	26.7	2.7	25.9	4.8						
26.0	-0.6	25.0	-0.8	23.6	-0.9	22.4	-0.7	21.3	-0.4						
24	-1.7	24	-3.1	22	-1.7	21	-1.5	19	-1.8					19	-3.1
MEXICO															
29.7	--	29.8	20.6	28.7	14.8	26.6	10.0	24.7	13.8	--	--	32	24.8*	22	2.3*
27.4	--	26.6	--	27.3	--	25.7	14.7	24.0	14.9	--	--	29	--	21	--
28.8	22.0	28.9	22.1	28.3	17.7	27.5	18.0	26.5	18.5	27.4	21.8	31	30.0	19	2.8
--	--	--	--	--	--	27.3	12.3	25.0	16.2	--	--	29*	26.1*	19	4.3*
28.2	22.5	28.1	24.8	28.0	24.8	25.2	22.0	23.6	19.0	26.5	22.5	29	28.4	20	9.9
28.2	25.6	28.1	24.0	27.8	23.7	27.7	22.3	27.5	18.5	26.3	23.4	29	29.2	21	12.6
28.1	23.3	28.0	21.4	27.8	18.1	27.6	22.6	24.4	16.6	27.2	22.2	29	29.7	22	7.1
29.9	21.0	29.4	19.3	29.2	--	26.8	14.5	25.0	16.8	27.8	--	32	29.3*	23	12.1*
28.9	22.2	29.0	19.8	28.4	16.4	24.8	13.3	24.9	18.2	26.7	21.1	31	28.0	21	3.1
28.1	27.4	28.0	26.7	28.0	26.2	27.4	23.9	26.4	20.7	26.8	--	29	29.9*	22	11.6*
28.7	22.9	28.7	22.1	28.2	18.9	26.8	15.7	25.5	17.9	27.1	21.8				
32	28.7	32	28.3	32	27.8	29	27.5	29	29.2			32	30.0		
29.5	25.7	29.7	25.5	29.2	23.6	28.2	23.1	27.4	23.5						
27.8	19.4	27.4	17.9	27.0	13.5	25.1	12.0	23.4	12.0						
27	13.3	26	12.9	24	2.8	22	2.3	21	3.3					19	2.3

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
														PROGRESO.
1946-1949	23.5	27.0	23.7	27.3	24.6	27.6	26.7	28.4	27.8	28.4	28.8	28.0	29.1	27.9
1950-1954	23.8	27.5	23.4	27.6	25.3	28.0	26.0	28.2	27.3	28.1	28.0	27.6	28.4	27.3
1955-1959	23.6	27.0	23.9	27.1	24.4	27.4	26.2	27.8	27.7	27.8	27.7	27.5	27.7	27.1
1960-1964	23.9	27.4	23.8	27.4	25.0	27.6	26.0	27.9	27.3	28.0	28.3	27.9	27.3	27.5
1965	24.3	27.4	25.3	27.2	24.9	27.4	25.9	27.4	26.6	28.1	27.6	27.9	26.3	27.5
1966	26.2	27.4	25.0	27.3	25.2	27.5	25.8	27.1	26.3	27.1	26.5	27.4	27.8	27.5
1967	26.9	27.3	27.2	27.3	26.9	27.4	26.7	27.9	26.8	27.7	26.7	27.6	27.1	27.6
1968	27.1	27.7	27.0	27.7	26.9	27.9	26.6	28.0	26.9	27.9	27.0	27.8	26.9	27.7
1969	27.4	27.9	27.1	27.9	27.1	27.8	--	--	--	--	--	--	27.3	31.8
1970	26.4	27.6	27.0	27.6	27.1	28.2	27.0	28.2	27.0	28.0	27.3	28.9	27.0	28.4
1971	26.2	27.3	27.1	29.1	26.8	27.8	26.7	28.0	26.4	27.8	26.3	27.8	26.8	27.9
Mean	24.6	27.4	24.6	27.5	25.3	27.7	26.3	27.9	27.3	28.0	27.7	27.8	27.8	27.7
Maximum	28	29.2	28	31.2	28	29.6	28	29.8	29	29.4	30	31.1	30	32.0
Mean Max.	25.7	27.9	25.6	28.1	26.3	28.2	27.5	28.6	28.0	28.5	28.4	28.4	28.6	28.2
Mean Min.	23.2	26.7	23.4	26.8	23.9	27.1	24.9	27.3	26.3	27.4	26.9	27.2	26.9	27.2
Minimum	20	25.3	20	26.1	22	26.3	23	26.4	23	26.4	24	26.4	25	26.4
														BELIZE.
1964	26.1	22.9	27.5	22.7	29.4	21.8	29.8	21.9	30.3	25.2	30.1	21.9	29.6	13.1
1965	26.4	16.5	27.4	17.5	27.9	18.0	29.1	20.6	30.1	22.4	29.9	21.8	29.9	18.9
1966	26.0	17.4	26.3	16.1	27.7	18.3	29.7	18.2	30.6	21.0	29.4	15.8	29.6	10.4
1967	26.0	20.3	26.6	19.5	28.2	19.5	28.9	18.1	30.1	20.3	30.6	21.4	29.9	18.1
1968	26.0	16.1	26.3	20.7	26.9	20.8	29.0	19.3	30.1	22.7	29.9	17.1	29.6	17.9
1969	26.6	19.0	27.7	20.3	27.4	19.7	30.0	18.2	31.3	19.3	--	--	--	--
1970	26.1	19.7	25.3	20.3	28.2	18.4	30.3	16.0	30.4	21.0	30.8	13.8	30.4	8.0
1971	25.5	13.4	27.2	16.1	28.4	15.8	28.1	19.6	--	--	--	--	--	--
Mean	26.2	18.2	26.8	19.2	28.0	19.0	29.4	19.0	30.4	21.7	30.1	18.6	29.8	14.4
Maximum	29	26.0	29	27.3	32	27.3	33	26.7	33	28.2	33	28.4	32	24.3
Mean Max.	28.3	23.8	28.8	24.8	29.9	25.4	31.2	25.3	32.2	26.9	31.9	25.6	31.2	22.1
Mean Min.	23.4	10.4	24.3	12.1	25.3	10.1	27.2	11.0	28.7	14.5	27.7	10.1	28.1	7.1
Minimum	22	3.0	23	6.7	23	7.4	24	6.4	28	7.5	27	3.5	27	4.0
														PUERTO DE MATIAS
1964	26.8	21.6	28.2	21.1	30.4	22.4	--	--	--	--	30.4	19.1	29.6	19.4
1965	25.6	--	27.7	--	27.9	22.8	29.2	23.9	30.8	23.7	30.6	22.7	29.7	10.9
1966	26.3	13.5	27.1	17.8	27.6	17.1	30.6	14.2	30.9	14.0	30.3	12.0	30.9	8.2
1967	26.0	15.8	27.1	13.0	28.9	16.9	30.4	18.9	31.2	20.4	31.1	17.4	30.1	9.8
1968	27.1	11.4	27.4	11.2	28.9	10.2	29.7	15.8	27.6	9.6	30.8	11.6	31.2	10.5
1969	27.6	14.4	28.7	17.4	--	--	--	--	--	--	--	--	--	--
Mean	26.6	15.3	27.7	16.1	28.8	17.9	30.0	18.2	30.1	16.9	30.7	16.6	30.3	11.8
Maximum	34	24.4	33	25.2	33	25.3	32	24.8	33	24.4	36	24.7	36	24.0
Mean Max.	29.8	21.4	30.7	21.6	31.6	21.3	31.6	22.0	32.2	20.6	33.2	21.9	32.4	19.1
Mean Min.	23.4	7.8	24.3	8.7	24.9	10.4	26.9	12.9	27.5	10.5	27.3	9.9	27.7	6.2
Minimum	22	3.3	22	3.5	21	3.9	25	4.6	24	3.6	24	4.4	27	3.1
														PUERTO CORTÉS.
1950-1954	26.2	23.0	26.1	23.8	27.4	25.7	28.4	25.7	29.4	25.4	29.9	22.6	29.8	20.9
1955-1959	26.3	22.2	26.8	24.4	27.7	24.7	28.6	25.5	29.4	25.7	30.1	23.9	29.9	22.4
1960-1964	26.3	22.9	26.7	23.5	27.8	25.1	28.6	25.3	29.4	25.9	30.1	24.9	29.9	22.5

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
MEXICO															
29.1	27.7	29.1	27.5	28.1	27.3	26.1	27.2	24.3	27.1	26.7	27.6	30	29.4	20	26.0
28.2	27.2	28.5	27.0	27.5	26.9	25.8	27.2	24.5	27.0	26.4	27.5	30	29.2	21	24.8
27.8	27.1	28.5	27.1	28.4	27.3	26.6	27.2	25.5	27.0	26.5	27.3	30	29.4	20	26.1
27.5	27.4	27.5	27.3	27.2	27.3	26.3	27.5	24.1	27.5	26.2	27.6	30	29.3	20	25.3
25.4	27.3	26.3	27.3	27.2	27.6	27.4	27.5	25.8	27.4	26.1	27.5	30	28.8	21	26.4
27.4	27.8	27.1	27.5	26.8	27.4	26.4	27.5	26.4	27.1	26.4	27.4	29	28.6	21	26.4
27.6	27.5	27.4	28.0	26.8	27.6	27.1	27.4	27.1	27.9	27.0	27.6	28	29.3	25	25.8
26.8	27.6	27.0	27.6	27.7	28.0	27.2	27.9	27.3	28.0	27.1	27.8	28	29.5	25	26.3
27.7	30.7	27.3	28.0	27.2	28.4	27.4	27.6	27.4	27.9	--	--	28*	32.0*	27*	26.6*
26.9	28.1	26.9	27.7	26.9	30.2	27.0	28.2	27.1	27.5	26.9	28.2	28	31.3	26	27.0
26.9	27.9	26.6	28.1	26.7	27.7	25.7	27.4	25.4	27.6	26.4	27.9	28	31.2	24	27.0
27.8	27.6	27.9	27.4	27.6	27.5	26.4	27.4	25.2	27.3	26.6	27.6				
30	31.8	30	29.7	30	31.3	29	29.3	28	29.3			30	32.0		
28.7	28.2	28.8	28.0	28.6	28.1	27.6	28.1	26.4	28.0						
26.6	27.1	27.1	26.8	26.4	26.8	24.8	26.8	23.8	26.7						
22	25.6	24	26.1	24	25.2	22	24.8	20	25.1					20	24.8
BRITISH HONDURAS															
30.7	18.1	31.2	16.7	28.1	21.8	27.7	17.6	27.3	17.2	29.0	20.1	33	28.2	23	4.3
30.4	17.4	30.1	17.2	29.3	14.1	27.7	13.9	26.7	14.9	28.7	17.8	33	28.4	22	3.5
30.4	8.3	29.9	9.1	30.3	15.5	27.0	17.7	25.7	20.6	28.6	15.7	32	26.5	23	2.9
30.4	18.2	30.6	20.5	28.8	16.4	27.2	18.3	26.9	16.1	28.7	18.9	33	28.2	24	4.1
30.2	19.4	30.3	17.2	29.8	17.4	27.5	15.4	26.3	18.8	28.5	18.6	32	27.0	24	3.0
--	--	28.9	9.5	29.9	13.8	27.8	15.3	26.9	17.0	--	--	33*	26.3*	23	3.7*
31.1	12.4	29.7	7.8	30.0	11.9	26.7	15.7	26.7	13.3	28.8	14.9	32	27.5	22	2.4
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
30.6	15.6	30.1	14.0	29.4	15.8	27.4	16.3	26.6	17.7	28.7	17.5				
32	25.0	33	26.1	32	25.1	31	26.7	29	25.8			33	28.4		
31.9	24.0	31.7	21.3	31.3	23.3	29.6	23.8	28.1	23.5						
28.8	6.8	28.4	6.4	26.8	6.6	25.2	7.5	24.9	9.1						
28	3.5	27	2.9	26	3.5	24	6.0	22	2.4					22	2.4
DE GALVEZ, GUATEMALA															
30.6	9.8	30.3	15.2	28.0	15.3	26.9	5.2	26.2	3.2	--	--	33	25.2*	24	2.4*
30.8	7.9	30.7	10.1	29.9	9.7	27.6	7.7	26.8	9.5	28.9	--	34	25.3*	21	2.7*
31.1	9.2	30.8	8.2	30.1	11.5	26.3	14.5	26.0	15.7	29.0	13.0	34	21.3	22	3.3
30.3	8.3	30.8	12.2	29.0	10.0	27.3	11.8	28.8	10.2	29.2	13.7	33	24.4	23	1.2
29.8	12.6	28.9	9.9	29.9	9.4	27.3	10.9	26.6	8.9	28.8	11.0	36	20.7	22	3.0
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
30.5	9.6	30.3	11.1	29.4	11.2	27.1	10.0	26.9	9.5	29.0	13.7				
34	20.7	32	19.2	34	23.0	32	20.6	32	20.2			36	25.3		
33.0	14.5	32.0	15.8	32.7	16.4	30.6	15.3	30.6	14.1						
28.2	4.9	27.7	6.3	25.9	5.4	24.1	5.1	24.0	3.6						
25	1.2	24	4.8	25	4.3	23	2.7	22	2.4					21	1.2
HONDURAS															
30.2	19.8	30.6	18.5	28.1	16.0	26.7	18.3	25.8	20.1	28.2	21.6	32	27.8	20	4.0
30.7	20.1	30.7	19.8	29.3	18.6	28.0	19.3	26.3	19.8	28.6	22.2	33	27.2	22	4.5
30.5	20.8	30.4	19.3	28.9	18.0	27.5	20.5	26.6	21.2	28.6	22.5	32	29.4	23	6.9

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
														PUERTO CORTES,
1965	26.3	21.4	27.4	24.7	27.2	25.5	28.2	26.4	28.7	26.6	29.2	26.2	29.3	24.4
1966	26.1	20.2	26.6	--	26.4	22.5	28.9	24.8	29.7	24.6	29.2	22.6	30.3	21.2
1967	25.4	21.7	25.8	22.2	26.9	25.1	28.2	25.0	28.8	25.7	29.7	25.2	29.3	24.2
1968	25.8	22.0	25.6	21.6	26.3	24.9	27.5	25.4	28.9	25.3	30.0	22.3	29.7	24.6
1969	26.4	21.5	27.2	24.8	27.5	25.1	29.1	24.9	30.1	25.5	30.7	24.5	30.4	--
1970	26.7	22.8	25.6	22.9	27.5	24.4	28.9	25.6	28.7	26.0	29.8	25.9	29.8	22.8
Mean	26.2	22.4	26.6	23.7	27.4	25.0	28.6	25.4	29.3	25.7	29.9	24.0	29.8	22.4
Maximum	31	26.9	29	27.2	31	27.1	31	27.2	32	27.8	33	29.4	32	26.6
Mean Max.	27.9	26.0	28.1	26.0	29.1	26.2	29.8	26.5	30.4	26.5	31.3	26.4	31.0	26.1
Mean Min.	23.4	16.0	24.7	19.3	25.9	22.3	27.2	23.0	28.3	24.0	28.4	19.2	28.7	16.1
Minimum	20	7.4	22	10.1	23	18.0	25	19.7	28	21.9	26	8.5	28	10.4
														LA CEIBA,
1959	26.9	23.3	28.1	25.4	28.7	25.4	28.9	25.6	29.7	25.3	29.9	25.7	29.4	24.8
1960-1964	26.7	23.7	27.2	23.9	28.2	24.7	28.8	25.3	29.3	25.5	30.0	25.5	29.4	25.0
1965	27.2	25.3	27.4	25.8	27.3	25.3	28.1	26.1	28.5	26.1	29.3	25.9	28.8	23.7
1966	26.1	23.3	26.7	23.5	26.8	24.4	28.8	24.7	29.5	24.3	28.9	24.4	29.6	25.0
1967	26.4	25.0	26.4	23.8	26.7	25.7	28.2	24.5	28.7	24.8	29.6	24.6	28.8	25.4
1968	26.6	24.8	26.3	23.4	26.5	23.7	27.4	26.0	28.6	26.5	29.4	25.5	58.6	25.7
1969	26.7	24.8	27.3	25.9	27.8	26.0	28.3	25.8	29.2	26.6	30.0	25.8	29.2	26.7
1970	26.5	24.1	26.0	24.2	27.1	25.3	28.1	26.3	--	--	28.9	26.8	29.1	26.5
Mean	26.7	24.1	27.0	24.3	27.7	24.9	28.5	25.5	29.2	25.6	29.7	25.5	29.2	25.2
Maximum	31	26.8	31	27.5	31	27.3	31	27.6	31	27.6	32	27.7	31	27.7
Mean Max.	28.5	26.3	28.9	26.3	29.5	26.7	30.0	26.9	30.3	27.0	31.0	27.0	30.4	27.0
Mean Min.	24.6	19.4	25.1	20.5	25.4	20.7	26.9	22.5	27.8	22.3	28.1	22.2	28.2	21.0
Minimum	22	15.2	23	15.7	23	12.2	26	19.7	27	19.7	27	16.1	28	14.4
														PUERTO CASTILLA,
1955-1959	25.7	25.0	26.1	26.9	27.3	26.8	27.7	27.3	28.1	27.1	28.9	27.3	27.8	27.2
1960-1964	26.8	25.8	27.5	25.7	28.4	26.9	29.1	27.0	29.5	27.5	29.8	27.5	29.1	27.4
1965	26.5	25.9	27.0	27.2	27.0	27.1	27.6	27.8	29.4	27.9	29.4	27.7	29.1	27.7
1966	25.9	25.5	26.3	26.4	26.6	26.6	28.1	27.8	28.9	28.1	27.8	26.8	27.6	26.9
1967	25.6	26.0	25.4	26.0	26.4	27.3	27.2	27.7	27.7	28.1	28.3	28.2	27.7	28.2
1968	26.6	26.7	25.9	26.5	27.9	27.2	26.8	27.3	27.7	28.1	29.7	28.5	25.8	27.5
1969	26.9	27.5	26.6	27.0	26.2	27.5	26.2	26.5	26.7	27.3	26.7	27.6	--	--
1970	26.4	26.8	25.3	26.6	26.8	27.6	28.4	28.1	28.3	27.9	28.8	28.3	28.2	28.0
Mean	26.3	25.8	26.6	26.4	27.4	27.0	28.1	27.3	28.6	27.6	29.0	27.6	28.3	27.5
Maximum	29	28.6	30	28.4	32	28.6	31	29.1	32	30.0	33	30.2	31	29.1
Mean Max.	28.1	27.2	28.4	27.6	29.5	27.9	29.9	28.0	30.4	28.3	31.1	28.4	30.1	28.3
Mean Min.	24.1	23.2	24.7	24.4	25.5	25.4	25.7	26.2	26.9	26.6	27.1	26.6	26.4	26.2
Minimum	21	19.3	23	18.4	24	23.5	22	23.6	25	24.8	24	24.2	23	23.0
														PUERTO CABEZAS,
1950-1954	26.9	24.0	26.9	24.9	38.3	25.8	28.8	26.2	29.6	25.5	28.6	21.0	28.6	17.3
1955	26.5	25.7	27.1	24.7	27.2	26.3	29.0	27.2	28.8	26.9	29.4	27.1	28.3	21.9
--														
1966	26.6	25.3	26.7	26.3	27.7	26.6	29.1	27.4	29.2	27.1	28.7	20.3	28.9	21.2
1967	26.7	26.3	27.0	24.9	27.3	25.3	28.1	26.1	28.4	27.1	28.2	24.0	28.1	24.2
1968	26.3	26.0	25.4	26.1	26.7	26.7	28.1	27.8	29.3	26.4	29.1	23.6	28.3	23.6
1969	27.4	25.2	27.5	25.4	28.8	26.4	29.4	26.8	30.5	27.0	30.9	25.8	28.7	22.7

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
HONDURAS-continued															
29.8	22.8	29.9	20.5	28.9	16.4	27.5	16.3	26.4	18.2	28.2	22.4	32	27.1	23	10.4
30.4	21.5	30.4	19.0	29.0	19.0	25.2	17.0	24.9	20.2	28.0	--	32	26.3*	22	7.4*
29.8	20.9	29.9	20.6	28.3	17.8	26.5	18.4	26.9	20.8	27.9	22.3	31	26.8	23	8.8
30.1	20.2	30.2	19.6	29.3	18.4	27.4	17.5	26.1	17.2	28.1	21.6	31	26.0	23	8.9
30.6	--	--	--	--	--	--	--	--	--	--	--	32*	26.3*	26*	14.7*
30.3	21.0	29.9	19.9	29.5	18.1	--	--	26.3	22.6	--	--	32	26.9*	23	14.4*
30.4	20.5	30.4	19.4	28.9	18.0	27.2	19.1	26.2	20.3	28.4	22.2				
33	26.4	33	26.0	32	26.5	32	26.7	29	26.6			33	29.4		
31.4	25.2	31.7	23.9	31.1	23.4	29.5	24.8	28.2	24.9						
29.0	14.7	28.8	14.0	25.7	11.2	24.1	11.2	23.6	12.8						
28	11.1	26	4.0	22	4.5	20	4.6	21	5.4					20	4.0
HONDURAS															
29.9	25.4	30.1	24.6	30.6	24.3	--	--	26.9	24.3	--	--	31	28.5*	25	18.3*
30.1	25.0	30.5	23.8	29.3	23.2	28.0	23.0	27.3	23.2	28.7	24.3	32	27.6	23	12.2
29.9	24.1	30.0	23.6	29.4	22.9	27.7	22.1	27.2	23.3	28.4	24.5	31	27.6	25	14.4
30.1	25.4	30.1	24.2	29.7	24.3	26.6	23.2	25.6	23.2	28.2	24.2	32	27.2	22	16.3
29.5	25.5	29.8	25.0	29.4	23.8	26.9	22.3	27.4	24.3	28.2	24.6	31	27.6	24	15.3
29.1	25.7	29.8	25.4	28.4	22.6	27.6	22.5	26.3	23.7	27.9	24.6	31	27.6	23	17.1
29.9	24.4	29.2	24.1	29.7	24.0	27.7	23.0	26.4	23.2	28.4	25.0	32	27.7	22	16.9
29.1	25.6	29.6	24.6	29.1	24.2	25.6	23.4	26.2	24.7	--	--	31	27.7*	22	16.4*
29.8	25.1	30.1	24.2	29.4	23.5	27.4	22.8	26.9	23.6	28.4	24.5				
32	28.5	32	27.6	32	27.4	30	27.2	30	26.9			32	28.5		
30.9	27.2	31.3	26.7	30.9	26.1	29.3	25.8	28.6	26.3						
28.7	21.8	28.8	20.0	27.5	20.9	25.2	18.8	24.6	18.7						
28	18.9	27	15.4	26	18.7	22	14.1	22	12.9					22	12.2
HONDURAS															
28.7	27.2	29.6	26.6	29.1	25.4	27.5	24.8	26.3	24.2	27.7	26.3	35	28.3	21	17.7
29.9	27.4	30.8	26.6	29.4	24.7	28.2	24.3	27.1	24.6	28.8	26.3	37	29.1	22	15.9
29.1	27.5	29.8	26.9	28.9	26.3	--	--	--	--	--	--	32	29.6*	24*	22.9*
27.2	26.5	29.1	26.8	30.0	27.0	25.6	25.6	25.8	25.4	27.4	26.6	32	30.0	23	23.4
23.8	27.1	29.7	27.7	29.4	27.9	27.4	26.2	26.0	26.4	27.1	27.2	31	29.0	23	23.5
26.6	27.7	26.6	27.6	29.9	28.2	26.7	26.9	26.8	27.4	27.2	27.5	32	30.2	23	25.5
--	--	--	--	29.1	26.3	27.7	25.9	26.8	26.6	--	--	31*	28.4*	24	24.7*
28.6	27.9	28.4	28.1	29.4	27.2	25.9	25.2	25.8	25.9	27.6	27.3	31	28.9	21	23.5
28.6	27.3	29.7	26.9	29.3	25.8	27.4	25.0	26.6	25.1	28.0	26.6				
32	29.6	37	29.1	32	29.0	31	28.1	29	28.4			37	30.2		
30.3	28.3	31.8	28.1	31.1	27.4	29.4	26.8	28.2	27.0						
26.9	26.3	27.7	25.1	27.2	23.9	25.2	22.4	24.4	22.2						
21	23.5	26	22.2	24	20.5	21	15.9	22	17.1					21	15.9
NICARAGUA															
29.5	22.6	30.1	24.5	29.1	24.4	27.8	23.2	26.4	24.0	28.4	23.6	32	27.5	23	0.0
30.7	23.4	30.0	25.3	29.7	24.5	28.1	21.7	27.6	22.9	28.5	24.8	32	28.4	26	7.8
29.1	23.2	29.2	22.9	29.6	25.6	27.0	24.1	25.9	25.2	28.1	24.6	31	28.6	24	13.7
28.6	24.2	29.5	--	28.8	24.6	28.1	24.0	27.6	25.1	28.0	--	32	29.6*	24	17.0*
28.5	23.1	28.8	23.7	28.9	24.6	27.8	22.4	27.1	22.8	27.8	24.7	32	28.6	23	15.4
29.7	23.1	29.8	22.6	30.1	25.0	28.5	24.2	27.3	23.4	29.1	24.8	33	29.4	24	16.6

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
													PUERTO CABEZAS,	
1970	--	--	--	--	28.0	--	28.9	--	--	--	--	--	28.2	25.6
1971	26.1	24.0	27.5	24.8	28.6	25.9	--	--	--	--	--	--	--	--
Mean	26.7	25.1	26.9	25.2	27.9	26.1	28.8	26.7	29.4	26.3	29.0	23.6	28.5	22.4
Maximum	32	28.0	29	27.4	31	27.7	32	28.6	32	29.6	33	28.2	31	27.6
Mean Max.	28.5	26.7	28.6	26.5	29.5	27.2	30.2	27.6	30.7	27.8	31.1	27.4	29.9	26.4
Mean Min.	25.0	22.8	25.0	23.0	26.1	23.8	27.1	25.2	27.9	22.1	26.9	16.4	27.3	16.6
Minimum	23	21.2	23	18.2	21	19.0	26	20.7	27	0.0	26	1.7	27	2.8
													PUERTO LIMÓN,	
1949	27.0	24.9	26.9	26.4	27.3	26.6	27.9	26.4	28.6	25.0	28.8	24.6	28.3	25.3
1950-1954	27.2	23.9	27.0	23.8	27.3	25.0	28.1	26.0	28.2	23.1	28.4	25.4	28.2	22.0
1955-1959	27.2	24.4	27.4	24.9	27.9	25.4	28.1	25.5	28.4	25.3	28.7	25.2	28.1	24.2
1960-1964	27.1	24.6	27.4	25.1	27.5	25.6	27.5	25.7	27.6	25.8	27.6	25.3	27.3	24.5
1965	23.6	23.4	24.9	22.7	24.6	23.0	25.3	24.6	26.2	24.4	25.6	23.9	24.6	22.9
1966	24.9	23.9	26.4	22.6	26.3	24.7	26.5	25.1	25.1	24.0	24.9	24.6	25.0	24.4
1967	23.2	21.6	24.1	22.7	24.1	22.8	23.6	21.8	23.9	22.5	24.0	23.7	22.8	21.7
1968	25.0	23.3	24.7	24.4	24.8	24.3	24.3	23.5	25.0	23.9	25.3	22.7	25.1	24.6
1969	27.1	24.2	26.3	23.7	27.7	--	27.8	--	27.8	--	28.9	25.8	26.0	23.4
1970	26.2	23.0	26.8	21.9	28.4	23.5	28.8	21.6	27.4	24.9	28.2	25.1	28.1	23.5
1971	25.8	24.7	25.6	23.8	26.3	23.6	--	--	--	--	--	--	--	--
Mean	26.5	24.1	26.7	24.2	27.1	24.9	27.3	25.1	27.4	24.8	27.7	24.9	27.1	24.0
Maximum	31	27.7	32	27.4	31	27.4	33	27.4	32	28.0	32	27.5	32	27.3
Mean Max.	28.8	26.1	28.7	26.1	28.9	26.2	29.2	26.6	29.4	26.6	29.2	26.3	29.2	25.7
Mean Min.	23.9	20.0	24.2	20.7	24.8	21.7	24.6	21.7	25.2	21.9	25.4	22.8	25.0	20.7
Minimum	18	12.2	21	10.2	21	15.4	16	14.3	20	9.0	21	18.1	20	9.4
													CRISTOBAL,	
1949	--	--	--	--	--	--	--	--	--	--	29.0	--	28.4	--
1950-1954	27.1	21.0	27.9	20.9	27.3	21.0	28.1	21.4	28.6	22.2	28.8	22.5	28.4	20.5
Mean	27.1	21.0	26.9	20.9	27.3	21.0	28.1	21.4	28.6	22.2	28.8	22.5	28.4	20.5
Maximum	28	22.9	28	23.3	29	24.0	29	23.9	30	25.7	31	25.1	30	23.6
Mean Max.	28.0	22.4	27.8	21.9	28.3	22.3	29.0	23.0	29.6	24.1	29.7	24.4	29.3	22.2
Mean Min.	26.3	19.5	26.1	19.6	26.2	19.1	27.2	19.0	27.7	19.3	27.8	20.0	27.4	17.2
Minimum	26	18.7	26	18.6	26	17.4	27	18.0	27	17.9	27	19.6	27	15.2
													FERRY REACH, ST.	
1945-1949	18.0	--	17.3	--	18.1	--	20.3	--	23.1	--	25.4	--	27.7	--
1950-1954	18.0	--	17.7	--	17.8	27.1	20.3	27.4	23.0	27.4	25.1	27.2	28.0	27.3
1955-1959	16.9	27.2	17.2	27.2	18.2	27.2	19.7	27.3	22.8	27.5	25.3	27.4	27.8	27.2
1960-1964	17.6	27.1	17.4	27.2	17.8	27.3	19.5	27.2	22.0	27.2	25.5	27.1	27.8	27.2
1965	17.8	27.8	16.8	28.0	16.9	28.1	18.2	28.5	21.6	28.2	25.3	27.8	27.2	27.5
1966	16.5	27.8	16.1	27.9	17.6	27.8	18.6	27.6	22.7	27.6	25.2	27.6	26.8	27.3
1967	17.9	28.0	17.9	27.9	17.4	28.1	18.1	28.3	21.3	28.0	23.2	27.8	27.2	27.7
1968	16.8	28.0	16.4	28.0	16.3	28.0	19.4	28.1	22.1	28.1	25.1	27.9	28.4	28.1
1969	16.4	27.3	16.0	27.4	15.2	27.4	20.2	27.6	22.1	28.0	25.4	28.1	28.3	28.0
1970	15.9	27.4	16.9	27.4	16.6	27.5	18.9	27.7	22.4	27.8	24.4	27.7	27.2	27.3
1971	17.4	27.6	17.0	27.5	17.7	27.8	18.2	27.6	21.5	27.6	24.9	27.4	27.7	27.4

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
NICARAGUA-continued															
28.7	25.7	29.1	22.2	29.9	24.3	27.5	23.7	26.1	23.7	--	--	32*	32.5*	21*	18.1*
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
29.3	23.5	29.7	23.9	29.4	24.7	27.7	23.5	26.8	24.0	28.3	24.6				
32	32.5	32	27.4	32	27.3	32	29.4	30	29.4			33	32.5		
30.5	27.2	31.4	26.5	31.0	26.4	29.6	25.6	28.2	26.1						
27.7	17.1	28.0	20.3	27.6	21.5	26.1	20.8	25.1	20.4						
24	7.8	27	16.6	26	18.2	24	17.9	23	11.6					21	0.0
COSTA RICA															
28.5	25.6	29.2	25.9	29.1	26.1	27.2	22.1	26.2	20.1	27.9	24.9	31	27.5	24	11.2
28.4	25.1	28.8	26.0	28.3	25.2	27.2	23.7	26.7	21.2	27.8	24.2	31	27.3	24	8.8
28.1	24.4	28.9	25.2	28.8	25.7	28.3	24.4	27.4	24.0	28.1	24.9	31	27.9	23	9.4
27.4	24.1	27.5	25.0	27.4	25.4	27.0	24.5	26.7	23.5	27.3	24.9	31	28.0	21	12.2
25.6	23.8	26.9	25.3	--	--	25.4	23.5	25.2	21.2	--	--	31	26.8*	16	13.4*
25.2	24.5	24.4	24.7	25.0	24.9	22.9	23.3	22.1	21.8	24.9	24.0	30	26.6	18	20.2
26.9	21.5	26.1	24.5	25.5	25.4	24.8	24.0	25.0	23.1	24.5	22.9	30	26.4	18	12.4
25.9	23.7	26.1	25.1	26.2	24.6	25.4	23.8	26.2	23.6	25.3	24.0	30	25.9	19	20.9
28.2	24.9	27.5	24.2	27.3	25.2	25.8	23.6	26.3	23.4	27.2	--	32	27.1*	22	20.5*
27.6	24.5	--	--	28.7	26.0	26.8	23.8	26.7	23.9	--	--	33	27.6*	22	14.3*
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
27.6	24.3	27.8	25.1	27.8	25.1	26.8	24.0	26.4	23.0	27.2	24.5				
31	27.9	31	27.5	32	27.6	32	27.6	32	27.5			33	28.0		
29.4	26.0	29.6	26.6	29.6	26.7	29.2	26.1	29.0	25.5						
25.4	21.1	25.6	23.4	25.4	22.8	24.1	19.7	24.0	18.4						
22	12.4	20	21.2	20	13.0	18	11.2	18	8.8					16	8.8
CANAL ZONE															
28.3	20.6	29.0	21.6	28.7	22.3	28.0	19.0	27.3	18.7	--	--	30	24.5*	26*	13.1*
28.1	20.3	29.0	22.3	28.7	23.3	28.2	20.5	27.7	19.7	28.1	21.3	31	27.2	26	14.6
28.1	20.3	29.0	22.1	28.7	23.1	28.1	20.2	27.6	19.4	28.1	21.2				
30	24.1	30	25.3	31	27.2	29	23.7	29	22.9			31	27.2		
29.3	22.8	29.8	24.4	29.6	25.1	29.0	23.0	28.5	22.1						
27.5	17.4	28.2	19.6	28.0	19.7	26.8	16.6	26.6	15.5						
27	15.9	28	18.6	28	17.7	26	13.1	26	13.5					26	13.1
GEORGE'S ISLAND, BERMUDA															
28.5	--	26.9	--	24.3	--	21.6	--	19.0	--	22.5	--	30	--	15	--
28.6	27.1	27.6	27.2	24.9	27.2	22.0	27.0	19.0	27.0	22.7	--	30	28.0*	16	25.1*
28.1	27.2	27.6	27.2	24.7	27.1	21.6	27.1	19.4	27.1	22.4	27.2	30	28.1	14	25.4
28.9	27.1	27.4	27.0	25.1	27.0	21.1	27.1	18.9	27.1	22.4	27.1	30	28.2	14	23.6
28.4	27.3	26.4	27.8	23.4	27.6	20.6	27.7	18.3	27.5	21.7	27.8	32	30.1	16	26.7
28.8	27.5	26.7	27.3	25.0	27.1	21.3	27.9	18.4	27.9	22.0	27.6	29	28.3	14	26.9
28.7	27.7	27.1	27.4	24.7	27.5	21.4	27.6	18.2	28.0	21.9	27.8	29	29.1	16	26.8
29.0	28.3	--	--	23.8	27.9	21.5	27.7	17.8	27.4	--	--	30	28.6*	14	26.5*
28.4	27.7	27.3	27.8	24.4	27.9	20.4	27.9	17.3	27.6	21.8	27.7	30	28.4	14	26.8
27.8	27.4	27.6	27.3	23.6	27.4	20.8	27.6	18.3	27.4	21.7	27.5	29	28.4	14	26.5
27.8	27.2	27.6	27.4	--	--	20.6	27.7	18.6	27.6	--	--	29	28.5*	14	25.8*

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
													FERRY REACH, ST. GEORGE'S	
Mean	17.4	27.4	17.2	27.4	17.7	27.5	19.6	27.5	22.6	27.6	25.2	27.4	27.8	27.4
Maximum	21	28.3	21	28.4	22	30.1	24	28.6	26	29.1	28	28.4	30	28.4
Mean Max.	19.1	27.6	18.6	27.7	19.6	27.8	21.7	27.8	24.5	27.9	27.2	27.8	29.0	27.7
Mean Min.	15.8	27.0	15.7	27.2	16.1	27.1	17.8	27.2	20.4	27.2	23.3	26.8	26.2	27.0
Minimum	14	26.3	14	26.5	14	26.0	16	26.0	18	26.4	20	25.1	25	26.1
													NORTH BIMINI,	
1965	--	--	--	--	--	--	26.1	27.2	26.4	27.0	27.2	27.1	27.3	27.1
1966	--	--	--	--	--	--	25.5	27.5	27.2	27.8	28.1	27.6	29.7	27.6
1967	24.0	27.1	24.4	27.3	25.0	27.3	26.3	27.3	28.2	27.4	29.1	26.8	30.3	27.6
1968	24.6	27.2	23.9	27.2	24.3	27.0	26.6	27.2	27.6	27.3	28.7	27.3	29.9	27.2
1969	23.7	27.7	23.0	27.5	23.6	27.5	26.5	27.8	28.2	27.5	29.9	27.4	31.4	27.5
1970	23.2	27.4	23.2	27.3	24.3	27.2	27.1	27.1	27.1	27.3	28.9	27.2	30.2	27.2
1971	24.2	27.4	23.9	27.3	25.1	27.4	26.6	27.5	27.8	27.4	29.8	27.4	30.2	27.4
Mean	23.9	27.4	23.7	27.3	24.4	27.3	26.4	27.4	27.5	27.4	28.8	27.3	29.9	27.4
Maximum	27	28.7	26	28.1	28	28.6	29	29.5	31	28.4	32	28.8	36	28.8
Mean Max.	25.7	28.0	25.3	27.9	26.9	27.9	28.1	28.2	29.1	27.8	30.5	28.1	31.3	28.1
Mean Min.	20.6	26.7	21.1	26.7	21.8	26.8	24.1	26.8	25.7	27.0	27.2	26.6	28.4	26.7
Minimum	18	26.2	21	26.4	21	26.5	23	26.0	24	26.6	26	25.1	27	26.2
													NORTH RIDING POINT,	
1965	--	--	--	--	20.8	24.9	24.2	26.5	26.8	29.2	28.2	27.1	30.1	26.9
1966	19.4	26.6	20.8	26.8	23.0	27.9	--	--	26.3	29.5	28.2	27.6	30.3	27.0
													GOLD ROCK CREEK,	
1960	--	--	--	--	22.6	--	24.2	--	26.9	27.0	28.6	26.7	30.3	27.3
1961	21.6	26.5	22.1	26.9	23.6	26.5	--	--	23.3	26.7	28.2	26.2	30.3	26.8
													SAN SALVADOR ISLAND,	
1958	--	--	--	--	--	--	--	--	--	--	--	--	27.5	27.1
1959	24.0	27.0	24.6	27.1	24.8	26.9	25.1	26.9	25.8	26.9	28.0	--	--	--
													LOS ARROYOS,	
1955	--	--	--	--	--	--	27.7	--	28.8	--	30.1	--	29.9	--
1956	22.3	--	25.4	--	25.7	--	27.7	--	29.6	--	29.3	--	30.7	--
1957	24.4	--	25.1	--	--	--	--	--	--	--	--	--	--	--
													HABANA,	
1947-1949	25.5	25.5	26.3	26.0	25.9	25.9	27.4	25.6	28.6	25.8	29.6	25.6	29.9	25.6
1950-1954	24.8	25.7	24.8	25.9	26.2	26.0	26.8	26.0	28.2	25.2	29.2	25.3	30.0	25.2
1955-1957	24.1	25.7	24.6	25.8	25.3	25.7	26.3	25.9	27.7	25.2	28.8	24.8	29.6	25.5
Mean	24.7	25.7	25.0	25.9	25.8	25.9	26.9	25.9	28.1	25.3	29.2	25.2	29.9	25.4
Maximum	28	27.8	27	27.8	28	27.9	29	28.4	31	27.6	32	28.1	32	28.3
Mean Max.	26.3	27.0	26.2	26.9	27.3	27.0	28.2	26.8	29.7	26.8	30.7	26.7	30.9	26.8
Mean Min.	22.8	22.8	23.6	24.0	24.2	23.8	25.5	23.2	26.4	21.5	27.3	21.4	28.7	22.3
Minimum	19	13.2	22	22.6	23	22.1	24	17.5	26	15.4	26	12.4	27	16.8
													GIBARA,	
1950-1954	24.0	25.6	24.0	25.7	24.7	26.2	25.6	26.4	27.4	26.6	28.6	25.9	28.6	25.7
1955-1958	23.9	25.2	23.7	25.4	24.7	26.0	25.9	26.6	26.6	25.9	27.6	26.1	28.4	26.3

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
ISLAND, BERMUDA-continued															
28.5	27.3	27.3	27.3	24.6	27.2	21.4	27.3	18.8	27.3	22.3	27.4				
32	28.6	30	28.0	28	28.4	26	28.2	22	28.5			32	30.1		
29.7	27.7	28.8	27.6	26.5	27.6	23.2	27.6	20.4	27.6						
27.1	26.9	25.7	26.7	22.3	26.7	19.7	26.9	16.9	26.8						
26	25.8	23	23.9	21	26.2	17	25.4	16	23.6					14	23.6
BAHAMA ISLANDS, B.W.I.															
--	--	27.2	27.0	--	--	--	--	--	--	--	--	28*	28.4*	23*	26.3*
30.5	27.4	30.1	27.2	27.9	26.9	24.2	27.1	23.6	27.1	--	--	32	29.5*	21*	26.6*
30.2	27.4	29.9	27.2	27.7	27.0	25.4	27.1	25.4	27.4	27.2	27.2	31	28.5	21	25.1
30.5	27.3	30.2	27.3	27.9	27.1	25.7	27.2	24.3	27.5	27.0	27.2	32	28.4	21	26.1
31.1	27.4	29.4	27.2	28.3	27.3	25.8	27.1	24.1	27.2	27.1	27.4	36	28.8	21	26.0
30.3	27.3	29.7	27.3	28.3	27.3	25.1	27.4	24.7	27.5	26.8	27.3	31	28.7	18	26.5
30.3	27.6	29.6	27.3	29.2	27.0	25.6	27.0	25.9	26.7	27.3	27.3	32	28.6	21	26.1
30.4	27.4	29.4	27.2	28.2	27.1	25.3	27.2	24.7	27.2	26.9	27.3				
32	28.0	31	28.5	31	28.3	28	27.9	27	28.4			36	29.5		
31.6	27.9	30.4	27.9	29.9	27.7	27.5	27.7	26.1	27.8						
29.1	27.0	28.0	26.7	26.0	26.5	22.1	26.3	22.5	26.5						
28	26.4	27	26.7	25	26.0	21	26.0	21	26.1					18	25.1
GRAND BAHAMA ISLAND, B.W.I.															
29.6	28.2	28.3	26.1	27.6	24.1	24.1	25.8	19.5	27.3	--	--	33	30.5*	17*	22.9*
29.6	28.5	29.3	27.5	--	--	--	--	--	--	--	--	32	30.7*	16*	24.3*
GRAND BAHAMA ISLAND, B.W.I.															
30.3	27.0	28.7	--	28.3	25.4	25.7	26.4	22.2	26.3	--	--	32	29.2*	18*	24.0*
29.8	26.6	29.3	26.3	27.3	26.7	--	--	--	--	--	--	32	28.5*	18*	23.6*
BAHAMA ISLANDS, B.W.I.															
28.7	27.0	28.7	26.9	27.7	26.8	26.6	26.7	25.6	26.8	--	--	29	27.4*	24*	26.1*
--	--	--	--	--	--	--	--	--	--	--	--	30*	27.5*	22*	26.6*
CUBA															
30.7	--	29.7	--	27.8	--	26.1	--	24.1	--	--	--	32	--	23*	--
31.1	--	29.8	--	28.8	--	25.0	--	23.8	--	27.4	--	33	--	19	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	21*	--
CUBA															
30.3	25.8	29.9	25.4	29.5	25.3	26.9	25.5	26.2	25.6	28.0	25.6	32	30.3	23	18.5
30.4	25.3	29.8	24.6	28.5	23.2	26.6	25.1	25.1	25.6	27.5	25.3	33	28.4	19	12.2
30.2	25.1	29.4	24.8	28.1	24.4	26.3	25.2	25.4	25.3	27.2	25.3	31	26.9	21	16.8
30.3	25.3	29.7	24.9	28.7	24.1	26.6	25.2	25.5	25.6	27.5	25.4				
33	27.7	32	28.7	32	30.3	30	28.1	28	27.2			33	30.3		
31.7	26.6	30.9	26.7	30.4	26.6	28.4	26.8	26.8	26.8						
28.4	21.9	28.2	20.5	26.6	18.4	24.8	21.3	23.8	23.4						
26	16.3	28	13.3	25	12.2	23	15.1	23	18.7					19	12.2
CUBA															
29.1	26.2	29.1	25.7	28.6	25.0	26.8	23.3	25.0	25.0	26.8	25.6	31	29.3	21	-0.7
29.0	26.8	28.8	26.2	28.0	26.0	26.3	25.2	25.1	25.5	26.5	25.9	31	28.4	20	10.1

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
														GIBARA,
Mean	23.9	25.4	23.8	25.6	24.7	26.1	25.8	26.6	27.0	26.2	28.2	26.0	28.5	26.0
Maximum	27	27.3	26	27.3	28	27.3	29	27.7	30	28.4	31	27.3	31	27.5
Mean Max.	25.4	26.9	25.5	26.8	26.1	27.0	27.6	27.3	29.0	27.7	29.8	27.0	29.9	27.2
Mean Min.	22.4	23.2	22.3	22.3	23.1	24.8	24.3	25.8	24.6	23.8	25.4	23.7	27.4	22.5
Minimum	21	19.1	20	14.8	22	23.0	22	24.7	23	17.3	24	21.9	27	18.0
														GUANTÁNAMO
1947-1949	26.9	27.0	27.0	27.0	27.8	27.4	29.1	27.6	29.7	27.2	29.7	25.3	30.2	27.1
1950-1954	26.4	27.2	26.6	27.5	27.6	27.6	28.4	27.9	29.2	27.4	29.9	27.3	29.9	27.5
1955-1959	26.1	27.3	25.9	27.5	26.8	27.6	27.8	27.8	28.5	27.8	29.2	27.5	29.3	27.4
1960-1964	26.5	28.0	26.8	28.1	27.1	28.3	27.6	28.4	28.8	28.3	28.9	26.9	29.5	28.2
1965	25.6	28.1	25.7	28.1	27.2	28.4	27.9	28.8	--	--	28.2	27.7	29.1	27.9
1966	25.7	28.2	25.3	27.8	26.3	27.4	27.4	27.6	27.4	27.1	29.1	26.6	29.6	27.1
1967	26.2	27.0	25.9	27.0	26.6	27.4	27.2	27.5	27.9	27.6	29.4	27.7	29.5	27.8
1968	27.1	27.5	25.2	27.2	25.9	27.4	--	--	27.9	28.1	--	--	--	--
1969	26.0	27.5	25.9	27.5	26.8	27.8	28.4	27.7	29.3	27.2	29.6	26.2	30.2	27.0
1970	26.1	25.9	26.1	27.0	26.6	27.2	28.3	27.4	28.4	27.5	29.6	26.1	29.3	26.8
1971	25.6	26.6	25.7	26.8	26.4	27.2	26.2	27.1	27.4	27.3	29.3	27.6	--	--
Mean	26.3	27.4	26.3	27.5	27.0	27.7	27.9	27.9	28.8	27.7	29.3	27.0	29.7	27.6
Maximum	29	29.3	30	28.9	31	29.0	31	29.5	32	29.1	33	29.1	33	29.0
Mean Max.	27.3	28.0	27.3	28.0	28.3	28.2	29.3	28.4	29.9	28.3	30.3	27.8	30.6	28.0
Mean Min.	25.0	26.5	25.1	27.0	26.0	27.2	26.8	27.2	27.4	26.5	28.1	24.8	28.8	27.0
Minimum	23	19.9	21	25.5	24	25.5	24	24.5	24	21.1	24	11.2	27	26.1
														CASILDA,
1949	--	--	--	--	--	--	--	--	29.1	28.3	--	--	30.1	27.2
1950-1954	23.8	28.1	24.8	28.0	27.1	28.3	28.2	28.6	30.0	28.6	20.7	26.6	31.0	26.9
1955-1957	23.3	27.7	25.0	27.7	26.6	27.9	28.3	28.2	29.6	27.7	30.2	26.6	30.7	26.8
Mean	23.6	27.9	24.9	27.9	26.9	28.1	28.2	28.4	29.7	28.3	30.6	26.6	30.8	26.9
Maximum	27	28.8	28	29.9	29	29.2	32	29.4	33	29.8	33	30.1	33	29.6
Mean Max.	25.8	28.3	27.0	28.5	28.8	28.6	30.3	29.0	31.7	28.9	32.2	27.8	32.0	27.8
Mean Min.	21.8	27.3	22.9	27.1	24.9	27.6	25.8	27.7	27.4	27.7	27.7	24.2	28.9	25.8
Minimum	20	26.4	21	26.3	23	26.9	23	27.2	26	26.3	27	12.5	28	19.1
														COLOMBO, ISLA
1953-1954	24.2	27.6	--	--	--	--	--	--	29.0	26.8	28.8	23.9	--	--
1955-1959	22.6	28.2	22.3	27.4	25.4	28.2	27.9	27.9	29.1	27.5	29.6	26.9	30.3	27.2
Mean	22.9	28.0	22.3	27.4	25.4	28.2	27.9	27.9	29.1	27.3	29.4	25.9	30.3	27.2
Maximum	27	29.7	26	29.0	28	30.4	32	29.7	32	30.0	32	28.6	33	27.9
Mean Max.	25.1	28.8	24.4	28.2	27.8	28.8	30.6	29.2	30.3	28.7	30.8	26.9	31.5	27.7
Mean Min.	20.7	26.9	19.2	26.6	23.3	27.1	25.7	27.1	27.3	25.3	27.9	25.1	29.3	26.5
Minimum	19	24.0	17	25.1	23	25.1	25	25.7	26	22.3	27	23.2	28	26.3
														PORT ROYAL,
1954	--	--	--	--	--	--	27.6	26.4	28.1	24.3	28.3	26.2	28.7	26.6
1955-1959	26.1	26.2	25.9	26.3	26.8	26.5	27.6	26.7	28.2	26.4	28.2	25.8	28.4	26.4
1960-1964	27.3	26.4	27.2	26.8	27.3	27.0	28.1	26.9	28.9	27.2	28.7	26.5	29.2	27.3

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
CUBA-continued															
29.1	26.5	28.9	25.9	28.4	25.3	26.6	24.0	25.0	25.2	26.7	25.7				
31	29.3	31	27.6	31	27.8	31	27.1	29	27.5			31	29.3		
29.9	27.5	30.2	27.0	29.8	27.1	29.4	26.8	27.3	26.8						
28.1	24.7	27.7	22.8	26.1	16.4	23.9	14.1	23.2	21.1						
28	22.7	26	18.9	22	1.1	22	-0.7	22	15.0					20	-0.7
BAY, CUBA															
30.5	27.5	30.5	26.7	30.3	25.9	29.4	26.8	27.9	26.7	29.1	26.8	33	28.3	24	11.2
30.4	27.6	30.4	26.8	30.1	26.6	28.9	26.6	26.9	27.0	28.7	27.2	33	29.2	23	15.6
29.8	27.7	29.6	27.6	29.2	25.5	28.1	26.9	27.2	27.3	28.1	27.3	31	29.4	24	14.7
29.7	28.3	29.7	28.0	29.4	27.6	28.5	26.9	27.3	27.9	28.3	27.9	31	29.0	23	14.2
29.2	28.2	29.3	28.3	29.1	28.4	28.0	28.0	26.3	28.2	--	--	31	31.2*	24	25.9*
29.4	27.0	29.9	27.4	29.1	24.7	27.4	25.0	27.4	27.0	27.8	26.9	31	29.3	24	17.5
29.6	27.7	29.7	27.6	29.4	27.4	28.8	27.3	29.0	27.7	28.3	27.5	31	28.5	21	25.5
--	--	29.9	28.0	29.5	27.7	28.6	27.5	26.6	27.5	--	--	31*	28.7*	24	26.6*
30.4	27.2	30.4	27.5	30.1	27.2	28.3	26.9	26.7	27.3	28.5	27.2	31	28.1	25	22.5
29.3	26.7	29.4	26.8	29.1	26.7	27.6	26.6	26.2	26.7	28.0	26.9	31	27.8	24	19.9
--	--	29.4	27.3	28.9	26.3	27.9	26.0	--	--	--	--	31*	28.2*	24*	23.1*
29.9	27.7	29.9	27.4	29.6	26.6	28.5	26.8	27.1	27.3	28.4	27.4				
33	28.9	33	29.0	33	28.9	32	28.9	31	31.2			33	31.2		
30.7	28.1	30.8	28.1	30.6	27.7	29.7	27.7	28.5	27.9						
29.0	27.1	28.9	26.2	28.2	24.2	27.2	25.0	25.8	26.7						
26	24.5	27	15.6	26	14.7	24	17.5	23	25.1					21	11.2
CUBA															
30.2	27.3	29.8	25.9	28.9	26.8	25.3	28.0	23.4	28.6	--	--	32*	29.0*	22*	24.2*
31.6	27.5	30.7	26.9	29.3	24.0	26.6	26.5	24.4	27.6	28.2	27.3	33	30.1	21	10.7
31.0	26.5	30.4	26.5	29.0	26.7	26.1	27.2	24.8	27.4	27.9	27.2	33	29.2	20	21.9
31.3	27.2	30.6	26.6	29.2	25.2	26.3	26.9	24.4	27.7	28.0	27.3				
33	29.5	33	29.0	33	29.5	30	29.0	28	28.9			33	30.1		
32.8	28.0	32.3	27.5	31.2	27.5	28.9	27.7	26.4	28.3						
28.9	26.0	28.1	25.2	26.6	20.2	23.3	25.9	22.2	27.0						
24	22.4	26	23.0	26	10.7	22	24.3	21	25.9					20	10.7
DE PINOS, CUBA															
--	--	29.2	25.6	27.7	23.4	25.4	25.5	23.2	26.6	--	--	31	28.7*	19	22.3*
30.5	27.3	29.7	27.0	28.1	26.5	25.7	27.2	23.4	27.9	27.0	27.4	33	30.4	17	24.0
30.5	27.3	29.6	26.7	28.0	25.8	25.7	26.9	23.4	27.6	27.0	27.2				
33	29.2	32	28.9	31	28.4	29	29.5	28	29.9			33	30.4		
31.9	28.1	31.1	27.6	30.0	27.0	27.6	27.9	25.7	28.4						
29.2	26.2	28.0	25.6	25.4	24.9	23.2	26.0	20.4	26.8						
29	24.1	27	24.2	23	22.9	22	23.6	19	25.7					17	22.3
JAMAICA															
29.1	26.1	29.0	25.1	27.8	23.8	27.2	24.0	26.9	26.3	--	--	30	27.3*	26*	13.8*
29.2	26.5	28.9	25.7	28.3	23.9	28.0	25.7	26.9	25.4	27.7	25.9	31	27.7	23	6.0
29.5	27.2	29.5	26.8	29.3	26.1	28.8	25.5	27.8	26.4	28.5	26.7	32	28.3	25	9.2

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
													PORT ROYAL,	
1965	26.6	27.7	26.4	27.5	27.1	27.8	28.2	27.9	28.2	27.6	28.2	27.7	28.7	28.0
1966	26.8	27.1	26.3	27.7	27.1	27.9	28.3	28.0	28.1	27.8	28.5	27.1	28.3	23.8
1967	26.2	27.2	26.6	27.4	27.0	27.4	27.9	27.2	28.4	27.3	28.8	27.4	29.1	27.6
1968	26.5	26.8	26.0	27.0	26.8	26.9	27.0	27.1	28.7	27.6	28.9	27.4	29.2	27.7
1969	27.2	27.0	27.2	27.2	28.2	27.4	29.4	27.4	30.5	27.5	29.8	25.2	30.2	27.1
1970	27.4	25.9	26.9	26.6	27.4	26.9	27.9	27.1	29.2	25.7	29.7	26.7	28.8	27.1
1971	26.2	26.3	27.1	26.8	27.3	26.8	27.8	26.8	28.5	26.9	28.8	27.2	28.5	27.5
Mean	26.7	26.5	26.6	26.8	27.1	27.0	27.9	27.0	28.6	26.8	28.7	26.5	28.9	26.9
Maximum	29	28.5	32	28.7	29	28.4	31	28.4	31	28.4	31	28.4	32	28.3
Mean Max.	27.8	27.2	27.8	27.4	28.2	27.4	29.1	27.5	29.6	27.6	29.5	27.5	29.9	27.6
Mean Min.	25.3	25.0	25.3	25.7	26.1	26.1	26.8	25.6	27.2	23.3	27.5	22.4	27.8	25.2
Minimum	23	21.6	23	21.6	25	23.4	26	22.3	26	12.3	26	9.2	26	17.3
													PORT-AU-PRINCE,	
1949	--	--	--	--	--	--	--	--	28.4	27.0	28.2	27.1	28.8	27.0
1950-1954	26.8	26.8	26.8	26.9	27.4	27.0	28.3	27.0	28.7	27.0	28.6	27.0	29.1	27.0
1955-1959	27.3	27.0	26.9	27.2	27.6	27.2	28.5	27.1	28.8	27.1	29.1	27.0	29.3	27.2
1960-1961	28.3	27.5	28.2	27.6	28.2	27.6	29.0	27.5	29.4	27.4	29.2	27.6	29.4	27.5
Mean	27.2	26.9	27.1	27.1	27.6	27.2	28.5	27.1	28.8	27.1	28.8	27.1	29.2	27.1
Maximum	30	27.9	29	28.4	30	28.4	31	28.8	31	28.4	31	28.5	32	28.5
Mean Max.	28.1	27.2	27.9	27.5	28.7	27.5	29.6	27.7	30.1	27.5	29.7	27.5	30.3	27.5
Mean Min.	26.4	26.5	26.2	26.7	26.7	26.8	27.3	26.5	27.8	26.5	28.1	26.7	28.4	26.8
Minimum	26	26.1	26	26.0	25	26.1	26	25.2	27	25.3	28	25.6	28	26.3
													BARAHONA,	
1955-1959	26.7	25.5	26.4	25.5	27.1	25.6	27.9	25.9	28.6	25.3	29.3	24.7	29.2	25.1
1960	27.8	25.9	28.2	25.9	--	--	--	--	--	--	--	--	--	--
--														
1965	--	--	25.7	25.8	--	--	26.8	26.2	27.8	25.6	27.7	21.6	28.4	24.3
1966	26.8	25.9	26.2	26.0	26.7	26.2	27.6	26.5	27.7	25.6	28.4	24.6	29.1	25.0
1967	26.4	25.7	26.2	25.8	26.3	25.9	26.7	25.9	27.7	25.8	28.7	25.8	28.6	26.3
1968	27.3	26.3	27.8	26.5	28.0	26.7	28.3	26.4	28.2	26.5	28.9	25.8	29.2	27.1
1969	26.3	26.8	26.4	27.1	27.2	27.5	28.2	--	29.8	25.1	30.1	24.1	29.4	23.8
1970	27.4	25.8	27.6	25.8	27.4	25.9	27.2	26.0	27.9	26.2	28.7	25.5	28.7	25.4
1971	25.4	25.7	--	--	--	--	27.1	26.0	--	--	--	--	--	--
Mean	26.7	25.8	26.7	25.8	27.1	26.0	27.6	26.0	28.2	25.5	29.0	24.6	29.1	25.2
Maximum	29	27.6	29	28.1	29	28.3	30	27.5	31	27.4	32	27.5	31	28.4
Mean Max.	27.7	26.6	27.6	26.6	28.4	26.8	28.7	26.7	29.4	26.6	30.0	26.3	29.8	26.4
Mean Min.	25.8	24.6	25.4	24.7	25.7	24.7	26.3	24.9	26.3	22.6	27.8	22.2	27.8	23.1
Minimum	24	23.0	24	22.0	25	22.6	24	23.2	26	13.5	27	12.8	27	16.9
													SANTO DOMINGO,	
1949-1953	26.2	22.8	26.1	21.4	26.6	23.0	27.7	21.7	28.0	17.6	28.2	16.0	27.9	14.4
Mean	26.2	22.8	26.1	21.4	26.6	23.0	27.7	21.7	28.0	17.6	28.2	16.0	27.9	14.4
Maximum	28	26.6	28	26.4	29	26.6	29	26.6	31	26.8	30	26.6	29	26.9
Mean Max.	27.2	25.2	27.1	25.6	28.3	25.7	28.9	25.4	30.2	24.8	29.2	21.4	28.8	20.2
Mean Min.	25.4	17.9	24.9	12.7	25.4	18.5	26.2	15.7	25.4	10.9	27.0	9.7	26.4	8.7
Minimum	25	8.0	23	4.6	24	16.1	26	3.8	23	2.1	26	3.0	26	3.2

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
JAMAICA-continued															
28.9	28.0	29.6	27.8	29.1	27.3	28.2	26.1	27.7	27.1	28.1	27.5	31	28.5	26	20.3
29.4	27.0	29.3	27.4	28.8	25.3	28.7	25.5	27.1	26.9	28.0	26.8	31	28.5	25	14.2
28.9	27.7	29.1	27.3	29.2	26.8	29.1	26.6	27.7	26.7	28.2	27.2	31	28.2	23	25.3
29.4	27.6	29.1	27.6	28.8	27.2	29.0	26.8	28.1	26.8	28.1	27.2	31	28.4	24	25.5
29.2	26.8	29.3	25.5	29.4	25.2	29.2	25.8	27.9	26.3	28.9	26.5	31	27.9	26	20.5
28.8	26.2	28.9	26.2	29.3	25.1	27.8	23.6	27.6	25.7	28.3	26.1	31	27.7	26	12.3
29.0	27.3	29.1	26.5	27.9	25.8	27.7	23.8	26.9	26.1	27.9	26.5	32	28.7	24	13.8
29.2	26.9	29.2	26.4	28.8	25.3	28.3	25.5	27.4	26.1	28.1	26.5				
31	28.4	31	28.5	31	27.9	31	27.8	30	27.9			32	28.7		
30.4	27.6	30.4	27.5	30.1	27.2	29.4	27.1	28.6	27.0						
27.7	25.3	28.0	23.7	27.1	20.7	26.9	21.4	26.0	23.7						
26	21.4	27	13.6	26	6.0	25	13.8	25	16.4					23	6.0
HAITI															
--	--	29.8	26.9	29.3	26.8	28.9	26.4	27.4	26.4	--	--	31*	27.4*	27*	26.1*
30.0	26.9	30.0	26.9	29.7	26.9	29.3	26.6	28.1	26.7	28.6	26.9	32	27.6	26	23.7
30.2	27.2	30.0	27.2	29.7	27.0	29.1	27.1	28.2	27.1	28.7	27.1	32	28.8	25	25.2
30.1	27.5	30.2	27.6	30.0	27.6	29.4	27.4	28.7	27.0	29.2	27.5	32	28.5	26	26.0
30.1	27.1	30.0	27.1	29.7	27.0	29.2	26.9	28.1	26.9	28.7	27.0				
32	28.5	32	28.5	31	28.4	31	28.1	31	28.3			32	28.8		
31.0	27.4	31.1	27.5	30.6	27.5	29.9	27.3	29.0	27.3						
29.1	26.7	29.1	26.5	28.7	26.2	28.4	26.5	27.3	26.5						
28	26.3	28	23.7	27	25.9	27	25.7	26	26.1					25	23.7
DOMINICAN REPUBLIC															
29.9	25.5	29.9	24.7	29.2	24.3	28.8	24.9	27.9	25.5	28.4	25.2	31	27.5	25	12.8
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
28.8	25.1	29.2	25.2	29.2	25.4	28.7	25.5	27.2	25.8	--	--	30*	26.5*	24*	17.4*
29.1	25.4	29.2	25.5	28.9	24.6	28.3	25.3	27.2	25.7	27.9	25.5	30	27.1	24	21.0
28.5	26.7	28.4	25.7	28.8	25.8	28.5	25.8	27.8	26.3	27.7	26.0	30	28.1	26	23.3
29.2	27.0	29.6	26.6	29.4	26.5	28.8	26.5	27.3	26.5	28.5	26.5	31	28.4	26	22.6
29.2	24.8	29.3	24.4	29.8	23.8	29.6	24.6	28.3	25.5	28.6	--	32	28.1*	25	18.9*
28.8	25.5	--	--	--	--	28.0	25.3	26.1	25.7	--	--	29*	26.9*	24	24.2*
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
29.3	25.6	29.6	25.2	29.2	24.8	28.7	25.0	27.6	25.6	28.2	25.4				
31	28.4	31	27.7	31	27.6	31	28.1	30	28.1			32	28.4		
30.2	26.7	30.4	26.3	30.2	26.1	29.6	26.2	28.4	26.4						
28.3	24.1	28.3	22.8	27.8	21.6	27.6	22.8	26.7	24.6						
27	18.7	27	16.0	26	14.7	26	18.6	24	23.2					24	12.8
DOMINICAN REPUBLIC															
28.9	18.6	28.9	16.9	28.7	17.4	28.1	20.2	26.9	21.2	27.7	19.3	31	27.3	23	2.0
28.9	18.6	28.9	16.9	28.7	17.4	28.1	20.2	26.9	21.2	27.7	19.3				
30	27.3	31	25.7	30	25.7	29	27.0	28	26.2			31	27.3		
29.9	24.4	30.4	22.5	29.7	22.9	28.9	24.9	27.8	24.5						
28.0	10.2	27.3	8.7	27.1	7.7	26.9	11.1	25.0	15.3						
28	3.5	26	2.0	27	3.0	26	5.4	24	3.4					23	2.0

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
ANDRES-BOCA CHICA,														
1965	--	--	24.6	26.4	--	--	26.6	26.4	--	--	--	--	--	--
1966	27.1	25.7	26.5	26.0	27.0	25.9	27.6	26.0	27.8	26.0	29.1	25.8	29.1	25.8
1967	25.9	26.1	25.9	26.2	26.0	26.4	26.2	26.6	26.4	26.7	27.8	26.5	27.4	26.6
1968	--	--	26.1	26.1	26.4	26.4	26.4	26.6	28.7	26.7	28.8	26.8	28.8	26.7
1969	26.7	26.3	26.7	26.6	27.7	26.7	28.8	26.6	29.6	26.2	30.2	26.2	29.6	26.6
1970	26.8	26.0	26.8	26.3	27.2	26.5	27.8	26.6	--	--	28.8	26.4	--	--
1971	26.2	26.3	26.1	26.4	26.7	26.3	27.3	26.5	28.2	26.4	28.7	26.6	28.4	26.6
Mean	26.6	26.1	26.1	26.3	26.8	26.4	27.2	26.5	28.1	26.4	28.9	26.4	28.7	26.5
Maximum	29	27.1	28	27.2	29	27.4	31	27.8	31	27.5	32	27.4	31	28.5
Mean Max.	28.2	26.5	27.3	26.8	28.3	27.0	28.9	27.1	29.6	27.1	30.2	27.1	30.1	27.4
Mean Min.	25.1	25.3	24.6	25.8	25.3	25.6	25.6	25.8	26.4	25.3	27.6	25.6	27.2	25.6
Minimum	24	24.7	23	25.2	24	24.5	24	25.4	24	24.6	26	25.2	26	24.5
PUERTO PLATA,														
1949	--	--	--	--	--	--	--	--	26.3	27.1	27.3	27.1	27.7	27.2
1950-1954	25.2	26.0	24.9	25.9	25.2	26.5	25.8	26.7	26.7	26.6	27.2	26.8	27.2	26.9
1955-1959	25.7	26.0	25.2	26.0	25.8	26.2	26.3	26.5	26.7	26.6	27.3	26.6	27.3	26.9
1960	27.1	26.6	26.7	26.7	--	--	--	--	--	--	--	--	--	--
--														
1965	--	--	--	--	--	--	25.4	27.1	25.6	25.7	26.1	26.3	26.4	26.8
1966	28.2	26.0	27.4	26.7	26.2	26.6	25.9	26.6	26.6	26.9	27.0	27.1	27.9	27.1
1967	25.7	26.1	25.5	25.3	25.6	26.1	25.7	25.8	25.9	26.8	27.1	26.8	27.1	26.9
1968	25.2	26.3	25.2	26.2	25.1	26.5	25.1	26.9	26.0	26.9	26.6	26.7	26.8	26.7
1969	25.7	25.0	25.1	25.5	25.7	25.5	26.6	25.7	28.1	26.5	28.9	26.9	28.2	27.0
1970	26.1	25.5	25.4	23.7	25.6	25.0	26.6	26.5	26.9	26.4	27.7	26.8	27.8	26.9
1971	25.6	26.6	25.1	25.6	25.6	26.7	25.6	26.4	26.6	26.8	27.1	26.9	26.7	26.9
Mean	25.8	26.0	25.4	25.8	25.6	26.2	26.0	26.5	26.6	26.6	27.2	26.8	27.3	26.9
Maximum	31	28.0	29	27.9	29	28.0	29	27.5	30	27.6	31	28.0	30	27.7
Mean Max.	26.8	27.0	26.5	27.0	26.8	27.0	27.1	27.1	27.9	27.2	28.4	27.2	28.2	27.3
Mean Min.	24.7	22.8	24.0	21.4	24.5	23.8	24.8	24.2	25.6	25.1	26.2	25.6	26.3	26.4
Minimum	23	19.3	22	6.3	23	13.7	23	14.6	24	21.6	25	18.1	26	25.2
MAGUEYES ISLAND,														
1957-1959	27.3	26.7	27.1	26.9	27.9	27.1	28.8	27.2	29.0	26.8	29.5	26.9	29.3	26.9
1960-1964	26.9	26.1	26.8	26.4	27.3	26.7	28.0	26.9	28.9	27.0	28.8	26.9	29.0	26.8
1965	26.0	26.6	26.1	27.0	27.3	27.2	27.9	27.4	28.8	27.1	28.6	27.0	28.8	27.0
1966	26.6	26.3	26.1	26.6	26.7	26.8	27.4	26.1	27.3	27.1	28.2	26.9	28.7	26.8
1967	25.8	26.5	25.8	28.1	26.2	26.8	27.3	27.1	27.5	27.2	28.4	27.2	28.3	27.0
1968	25.7	26.1	25.9	26.6	26.2	26.6	26.7	27.0	28.2	27.1	28.4	27.0	28.6	27.0
1969	26.0	26.3	26.2	26.2	27.7	26.8	28.8	27.0	29.3	26.6	29.5	26.6	29.3	26.8
1970	26.3	26.3	26.2	26.5	26.3	26.9	27.7	27.1	29.0	27.3	28.3	27.0	28.6	26.9
1971	26.1	26.3	25.7	26.6	26.4	26.9	27.5	27.1	27.9	27.2	28.3	27.0	28.3	26.9
Mean	26.6	26.3	26.4	26.7	27.1	26.8	28.0	27.0	28.6	27.0	28.8	26.9	28.9	26.9
Maximum	28	27.4	29	27.8	29	27.7	31	28.3	32	27.8	31	28.1	31	27.8
Mean Max.	27.5	26.8	27.5	27.1	28.3	27.2	29.3	27.6	29.9	27.4	30.1	27.4	29.8	27.3
Mean Min.	25.8	25.8	25.3	26.2	26.0	26.4	26.7	26.7	27.4	26.3	27.7	26.5	28.1	26.5
Minimum	24	24.9	24	25.4	24	25.3	26	26.2	27	22.3	27	26.0	28	26.2
SAN JUAN,														
1962-1964	26.4	26.4	26.2	26.6	26.3	26.5	26.4	26.4	27.1	26.4	27.8	26.7	28.0	26.6

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
DOMINICAN REPUBLIC															
--	--	--	--	29.2	25.7	28.4	25.8	27.1	25.7	--	--	30*	27.0*	23	24.1*
29.3	25.7	29.3	25.4	29.2	25.3	28.4	25.4	26.6	25.9	28.1	25.7	31	26.9	24	23.5
28.2	25.8	28.7	25.7	29.3	25.3	--	--	--	--	--	--	30	28.5*	24	24.6*
29.1	26.6	29.4	26.4	29.4	26.2	28.7	26.0	27.3	26.1	--	--	30	28.0*	24	25.0*
29.4	26.4	29.5	26.2	29.8	25.5	28.7	25.6	27.5	26.1	28.7	26.2	32	27.5	24	24.0
28.9	26.4	29.1	26.2	28.9	25.5	28.3	25.9	26.6	26.1	--	--	30*	27.3*	24*	24.6*
28.7	26.2	29.3	25.6	--	--	--	--	--	--	--	--	31*	27.8*	24*	24.5*
28.9	26.2	29.2	25.9	29.3	25.6	28.5	25.7	27.0	26.0	27.9	26.2				
31	27.2	31	28.0	31	26.7	30	26.6	29	26.7			32	28.5		
30.0	26.8	30.3	26.7	30.1	26.5	29.8	26.5	28.1	26.5						
28.0	24.9	27.7	25.2	28.1	24.7	27.2	24.6	26.0	24.8						
28	23.8	27	24.7	28	24.0	27	23.5	26	24.1					23	23.5
DOMINICAN REPUBLIC															
28.5	27.3	28.5	27.0	28.6	27.0	28.1	27.0	26.6	26.6	--	--	29	28.0*	26*	25.2*
27.9	26.9	28.5	27.0	28.4	27.0	27.8	26.6	26.4	25.9	26.8	26.6	30	27.5	23	17.2
28.1	27.1	28.6	26.9	28.6	27.0	27.8	26.8	26.9	26.3	27.0	26.6	31	28.0	23	13.7
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
26.0	26.6	27.2	26.7	27.5	26.8	27.0	26.5	26.6	26.6	--	--	31	27.5*	23*	24.3*
27.8	26.9	28.3	26.9	28.6	26.9	27.6	26.0	26.2	25.3	27.3	26.6	31	28.0	23	19.3
27.4	27.1	28.3	27.1	28.6	27.1	28.0	26.8	--	--	--	--	29	27.4*	24	11.8*
27.7	26.2	28.4	25.7	28.6	26.1	28.2	25.0	26.1	22.8	26.6	26.0	29	27.5	23	12.8
28.6	27.0	29.1	27.0	28.9	26.8	27.9	25.9	26.6	25.2	27.4	26.2	31	27.3	23	3.8
28.0	27.0	28.4	27.1	28.7	26.6	27.6	25.5	26.2	25.6	27.1	26.0	30	27.3	22	6.3
27.5	27.0	28.6	26.9	--	--	--	--	--	--	--	--	29*	27.9*	23*	15.0*
27.9	26.9	28.4	26.9	28.5	26.9	27.8	26.4	26.5	25.8	26.9	26.5				
31	27.8	31	28.0	30	27.8	29	27.7	28	27.5			31	28.0		
29.2	27.3	29.4	27.4	29.3	27.3	28.8	27.2	27.7	27.0						
26.9	26.6	27.6	26.5	27.7	26.3	26.7	23.3	25.1	20.8						
23	25.4	26	24.5	27	24.5	24	17.4	23	3.8					22	3.8
PUERTO RICO															
29.9	26.6	30.2	26.4	29.4	26.2	28.6	26.1	27.7	26.5	28.7	26.7	32	27.9	25	22.3
29.5	26.5	29.7	25.8	29.3	25.6	28.8	25.8	27.3	25.9	28.4	26.4	32	27.7	25	23.1
29.5	26.8	30.0	26.7	29.7	26.5	28.6	26.0	27.2	25.9	28.2	26.8	32	27.9	25	25.4
29.1	26.5	28.9	26.6	28.9	26.3	27.9	26.1	26.8	26.4	27.7	26.5	31	27.8	25	25.7
28.4	26.4	28.8	25.5	29.3	25.8	28.9	25.7	26.9	25.6	27.7	26.6	31	27.6	25	24.3
28.9	26.6	28.9	26.2	28.7	25.7	28.7	25.8	27.3	25.8	27.7	26.5	31	28.1	24	25.3
29.3	26.7	29.7	26.6	29.4	26.2	28.1	25.5	26.8	26.1	28.3	26.5	31	27.6	25	25.1
28.9	26.6	29.2	26.0	28.7	25.0	28.5	25.6	26.8	26.0	27.9	26.4	31	28.0	24	22.6
28.6	26.5	29.3	26.5	28.3	25.9	28.2	25.8	26.8	26.1	27.6	26.6	30	28.3	24	24.9
29.3	26.6	29.6	26.2	29.2	25.9	28.6	25.9	27.2	26.1	28.2	26.5				
31	27.9	32	27.3	31	27.3	31	26.8	30	27.6			32	28.3		
30.3	27.1	30.7	26.8	30.5	26.5	29.6	26.4	28.4	26.5						
28.4	26.0	28.3	25.5	28.1	25.2	27.4	25.4	26.1	25.6						
28	24.9	27	23.6	27	22.6	26	25.1	25	24.8					24	22.3
PUERTO RICO															
28.5	26.4	28.9	25.4	29.0	25.1	28.2	25.9	26.8	26.3	27.5	26.2	30	28.0	24	15.6

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
													SAN JUAN,	
1965	25.2	26.6	25.3	26.8	26.2	26.6	26.6	26.2	26.2	--	27.1	24.8	27.3	24.7
1966	26.1	24.6	25.6	25.1	26.2	25.0	26.4	25.1	26.2	24.7	27.2	25.3	27.8	24.9
1967	25.2	22.4	25.5	24.6	25.7	23.6	25.9	25.0	26.2	23.6	27.9	25.1	27.7	23.4
1968	28.4	26.1	27.4	26.3	28.0	26.8	28.2	27.4	28.8	26.6	29.6	26.6	30.4	27.2
1969	27.7	26.2	27.9	25.6	29.2	25.8	30.1	26.1	29.3	23.9	29.9	24.7	29.8	25.8
1970	27.7	24.7	27.4	26.1	26.8	26.4	27.7	26.8	28.8	25.8	28.7	22.8	28.2	24.1
1971	--	--	--	--	28.7	27.1	30.1	26.1	26.4	24.3	27.2	25.3	27.5	26.3
Mean	26.6	25.4	26.4	26.0	26.9	26.1	27.4	26.2	27.3	25.3	28.1	25.5	28.3	25.6
Maximum	30	28.0	29	27.6	31	27.8	32	28.1	32	28.0	31	28.1	32	28.5
Mean Max.	27.7	26.8	27.5	27.0	28.4	27.3	29.1	27.4	28.4	27.3	29.1	27.2	29.2	27.2
Mean Min.	25.1	22.5	24.9	23.6	25.8	22.8	26.0	23.6	26.3	20.1	27.2	21.3	27.4	22.7
Minimum	23	14.2	24	18.0	25	17.1	24	21.1	25	14.9	26	8.6	27	16.6
													PLAYA DE HUMACAO,	
1962	--	--	--	--	--	--	27.7	25.2	29.3	22.9	28.9	18.4	29.6	22.2
1963	26.1	26.0	26.6	26.3	26.3	26.2	27.8	26.9	28.3	22.1	29.2	24.0	29.6	24.6
													ST. LUCIA	
1955-1958	26.3	26.1	26.1	26.5	26.5	26.4	26.8	26.2	27.2	26.3	27.7	26.1	27.5	26.0
Mean	26.3	26.1	26.1	26.5	26.5	26.4	26.8	26.2	27.2	26.3	27.7	26.1	27.5	26.0
Maximum	28	27.0	28	27.5	28	27.2	29	27.4	31	27.8	30	26.8	29	28.0
Mean Max.	27.2	26.7	26.8	27.1	27.2	26.9	27.3	26.8	28.4	27.0	28.4	26.7	28.3	26.8
Mean Min.	25.0	25.1	25.6	25.6	25.7	25.4	26.1	25.5	26.1	25.7	26.7	25.1	26.9	24.9
Minimum	24	23.6	24	25.1	25	25.3	26	25.0	26	25.1	26	24.0	26	24.6
													ST. LUCIA	
1950-1954	26.1	26.7	26.2	26.8	26.6	26.6	27.1	26.6	27.6	26.4	27.7	26.2	28.0	25.9
Mean	26.1	26.7	26.2	26.8	26.6	26.6	27.1	26.6	27.6	26.4	27.7	26.2	28.0	25.9
Maximum	30	28.8	30	27.9	31	28.1	30	27.9	31	27.7	31	27.5	30	28.1
Mean Max.	27.6	27.3	27.8	27.3	28.7	27.2	28.2	27.1	28.9	27.0	29.0	27.2	29.2	26.7
Mean Min.	24.2	26.2	24.8	26.2	25.2	25.8	25.6	25.8	26.6	25.7	26.0	25.3	26.8	25.0
Minimum	23	25.7	23	26.0	24	25.2	23	24.1	26	25.1	24	24.6	26	24.1
													TRINIDAD	
1949	--	--	--	--	--	--	--	--	--	--	--	--	27.3	18.7
1950-1954	26.6	22.0	26.6	22.2	26.7	23.7	27.5	25.5	27.7	24.6	27.7	21.2	28.0	17.6
1955	27.6	18.8	26.6	--	26.2	24.8	26.9	23.5	27.6	24.2	27.7	21.2	28.3	17.1
Mean	26.7	21.4	26.6	22.2	26.6	23.9	27.4	24.8	27.7	24.5	27.7	21.2	27.9	17.7
Maximum	28	24.7	28	24.8	28	25.6	31	27.8	29	26.4	30	24.6	30	21.7
Mean Max.	27.7	22.8	27.6	23.6	27.4	24.6	29.0	26.1	28.6	25.5	28.9	23.3	29.3	19.8
Mean Min.	25.8	19.8	25.9	21.2	25.7	22.7	26.2	24.0	26.9	22.9	26.9	18.9	26.9	15.5
Minimum	25	17.5	25	19.6	25	21.3	26	23.0	26	21.4	26	18.0	26	12.6
													TURBO,	
1963-1964	28.1	1.1	28.5	4.6	28.8	4.7	29.2	7.2	29.8	6.6	29.7	11.3	29.2	8.2
1965	27.8	3.0	28.4	1.5	28.4	2.3	27.8	3.3	--	--	--	--	--	--
1966	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1967	29.1	0.1	28.7	0.5	27.5	0.6	27.4	3.7	28.3	5.5	29.6	6.4	29.1	5.9
1968	28.2	2.4	27.5	4.5	28.4	10.3	27.8	4.2	28.7	3.0	29.3	12.3	29.1	8.5
1969	28.4	2.7	28.1	3.0	28.7	2.9	28.4	2.8	28.4	9.0	28.2	10.6	28.0	6.8

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
PUERTO RICO-continued															
27.6	24.2	28.3	23.5	28.6	24.6	27.6	23.6	26.7	23.8	26.9	--	30	27.6*	24	22.2*
28.2	24.3	28.4	23.4	27.7	20.2	26.6	16.4	26.1	21.1	26.9	23.3	30	26.9	24	6.0
27.9	22.5	29.1	23.5	29.7	24.0	--	--	28.4	25.2	--	--	32	27.2*	23	14.2*
30.5	25.5	31.1	26.9	30.3	26.9	30.2	25.7	29.3	25.3	29.3	26.4	32	28.5	26	15.5
30.1	25.5	29.7	23.2	30.1	24.5	29.0	24.2	28.1	24.8	29.2	25.0	32	27.7	26	15.4
27.3	24.7	26.3	22.7	25.0	23.3	--	--	26.7	21.3	--	--	30*	28.0*	21	8.6*
27.6	25.6	28.9	24.2	27.2	21.7	27.3	25.6	25.4	25.1	--	--	33	28.1*	24*	10.9*
28.4	25.1	28.8	24.4	28.6	24.0	28.2	24.1	27.1	24.5	27.7	25.2				
31	27.5	33	27.7	32	28.0	32	27.3	30	27.4			33	28.5		
29.6	27.0	30.6	26.6	29.8	26.5	29.5	26.3	28.4	26.4						
27.7	21.9	27.3	19.6	27.2	19.4	26.7	19.8	25.4	21.5						
27	18.0	26	13.9	23	10.9	24	6.0	21	16.1					21	6.0
PUERTO RICO															
29.6	21.4	29.8	24.6	29.9	23.9	28.5	25.5	27.4	26.3	--	--	31	27.6*	25*	5.9*
30.3	23.7	--	--	--	--	--	--	--	--	--	--	32	28.6*	25*	8.3*
(Castries), B.W.I.															
28.3	25.5	28.6	25.9	28.8	25.7	28.2	25.6	27.0	26.1	27.4	26.0	31	28.1	24	20.0
28.3	25.5	28.6	25.9	28.8	25.7	28.2	25.6	27.0	26.1	27.4	26.0				
30	28.1	30	27.7	31	26.5	30	26.9	28	26.9			31	28.1		
29.3	26.5	29.4	26.7	29.8	26.4	29.3	26.5	27.8	26.8						
27.5	23.2	27.8	24.5	27.9	23.5	27.2	22.9	26.3	25.7						
27	20.0	27	21.3	27	22.4	27	21.6	26	25.1					24	20.0
(Vieux Fort), B.W.I.															
28.6	25.8	28.6	25.5	28.7	26.0	28.2	26.3	27.3	26.4	27.6	26.3	31	28.8	23	17.3
28.6	25.8	28.6	25.5	28.7	26.0	28.2	26.3	27.3	26.4	27.6	26.3				
31	27.2	31	26.5	31	27.4	30	27.2	30	27.8			31	28.8		
29.9	26.6	29.9	26.2	30.0	26.8	29.7	26.8	28.9	27.3						
27.6	24.7	27.2	23.4	26.9	24.3	26.4	25.4	25.6	25.4						
27	23.1	26	17.3	26	20.7	24	24.1	24	23.9					23	17.3
(Carenage Bay), B.W.I.															
28.3	13.9	28.4	15.6	28.6	16.9	27.8	18.7	26.7	18.8	--	--	29*	23.1*	26*	--
28.6	14.1	28.8	14.9	28.6	16.7	28.5	18.3	27.8	18.4	27.8	19.9	31	27.8	25	8.9
29.1	16.1	29.0	15.6	28.9	18.2	--	--	--	--	--	--	31	25.6*	26	7.3*
28.6	14.4	28.8	15.2	28.6	17.0	28.3	18.4	27.5	18.5	27.7	19.9				
31	18.5	31	20.0	30	22.6	30	22.0	29	23.1			31	27.8		
30.0	17.3	30.2	18.3	29.6	20.1	29.4	20.6	28.3	20.9						
27.6	10.8	27.6	10.6	27.7	14.2	27.4	16.4	26.4	16.7						
27	8.9	27	7.3	27	11.8	27	14.3	26	14.8					25	7.3
COLOMBIA															
28.8	9.8	29.2	10.2	29.2	14.0	28.7	12.6	28.6	6.8	29.0	8.1	32	24.1	26	-0.6
--	--	--	--	30.8	13.2	--	--	--	--	--	--	32*	18.5*	27*	0.2*
--	--	29.6	8.3	29.7	14.1	28.7	10.3	28.9	5.8	--	--	32*	23.8*	26*	0.1*
29.1	8.5	29.1	11.5	28.6	10.2	28.9	12.2	29.2	8.4	28.7	6.1	32	22.4	24	-0.6
29.0	6.3	29.3	10.1	29.5	9.1	28.7	10.4	29.3	5.3	28.7	7.2	34	16.5	24	1.4
28.1	8.8	28.2	11.7	27.9	14.3	27.7	10.5	28.1	9.5	28.2	7.7	33	22.9	24	1.6

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
														TURBO,
1970	27.6	6.1	27.9	2.8	27.7	8.2	29.2	9.4	29.4	8.3	29.9	9.1	29.1	10.8
1971	27.9	10.9	29.3	15.1	29.7	14.7	27.8	13.4	28.7	7.3	--	--	28.3	8.7
Mean	28.2	3.8	28.4	4.6	28.5	6.0	28.4	6.4	29.0	6.6	29.4	10.2	28.8	8.2
Maximum	32	17.9	32	17.9	32	17.9	33	20.8	33	17.0	32	24.1	33	21.1
Mean Max.	30.4	6.4	30.2	8.2	30.1	9.5	30.8	12.1	31.5	12.3	31.8	18.4	31.7	15.7
Mean Min.	26.2	2.0	26.6	2.5	26.9	3.5	26.1	3.1	26.3	2.7	26.8	3.3	25.9	3.2
Minimum	24	-0.5	25	-0.6	25	0.1	24	1.7	24	0.7	25	-0.2	25	-0.6
														CARTAGENA,
1949	27.1	26.7	26.6	27.0	26.9	27.2	28.6	27.4	29.4	26.9	29.9	25.5	29.7	25.0
1950-1954	27.8	25.7	27.2	26.4	27.6	26.7	28.4	26.7	29.7	24.1	30.0	22.9	29.9	22.7
1955-1959	27.8	25.7	27.7	26.1	27.8	26.5	28.5	26.6	29.6	25.5	30.2	23.2	30.1	24.2
1960-1964	28.6	26.5	28.0	27.0	28.1	27.2	28.7	27.3	29.7	26.4	30.2	23.6	30.3	24.0
1965	27.2	26.7	27.9	27.1	27.6	27.4	27.8	27.5	29.4	26.8	30.3	25.5	29.8	26.6
1966	28.3	26.0	28.4	26.5	27.7	27.2	28.6	27.6	29.8	25.7	30.2	21.7	30.2	21.8
1967	28.1	26.0	27.7	26.1	27.2	27.0	28.0	27.1	29.1	26.5	29.8	22.4	29.7	23.0
1968	27.3	26.4	26.8	27.2	27.2	27.4	27.4	27.4	29.9	24.0	29.9	21.3	30.0	22.8
1969	28.4	25.5	26.9	27.2	28.1	27.3	29.5	26.6	30.7	24.6	31.3	20.8	31.1	22.9
1970	28.8	23.7	28.2	26.3	28.2	26.2	28.8	26.6	29.2	24.8	30.8	22.1	30.7	19.8
1971	28.3	23.2	27.8	24.6	27.7	25.3	27.8	26.0	29.3	21.8	30.4	21.2	29.6	22.6
Mean	28.1	25.8	27.6	26.5	27.7	26.9	28.4	26.9	29.6	25.3	30.2	23.0	30.1	23.4
Maximum	31	27.9	30	27.9	30	27.8	31	30.8	32	28.4	33	27.1	32	27.6
Mean Max.	29.2	27.2	28.6	27.3	28.9	27.4	29.7	27.6	31.0	27.2	31.4	25.2	31.2	25.5
Mean Min.	27.0	22.7	26.8	25.4	26.9	26.2	27.5	25.8	28.3	22.3	29.0	20.8	29.1	21.2
Minimum	26	13.6	26	20.5	26	21.8	27	21.4	27	13.4	28	17.4	28	17.4
														RÍOHACHA,
1953-1954	25.7	27.6	26.0	28.0	26.3	28.4	27.4	28.6	28.6	24.8	28.8	23.8	28.2	--
1955-1959	26.2	26.7	25.7	26.7	26.4	26.8	27.2	27.3	27.9	25.9	28.5	25.0	27.7	28.0
1960-1964	26.4	27.5	26.7	28.2	26.7	28.4	27.6	27.6	28.6	27.3	28.6	25.1	28.5	27.9
1965	25.8	28.6	27.2	29.4	26.7	29.2	27.7	29.3	27.9	26.2	28.3	27.4	28.2	29.3
1966	27.4	28.4	26.6	29.1	27.3	29.3	28.0	29.0	28.3	27.1	29.1	11.2	29.7	19.3
1967	26.2	24.9	26.7	28.3	26.4	28.7	27.0	28.8	27.7	29.1	28.6	26.0	27.7	29.3
1968	26.4	29.1	26.9	29.3	26.9	29.3	26.7	27.6	28.6	20.6	29.1	14.1	28.5	26.9
1969	26.8	29.4	27.3	29.6	28.2	29.5	28.7	26.3	30.7	22.6	30.1	14.8	29.4	26.3
1970	27.0	23.1	26.9	23.2	27.7	26.8	27.4	28.4	27.7	27.2	29.1	25.2	28.9	22.4
1971	26.8	23.9	27.0	28.3	26.6	27.7	27.3	28.7	28.4	26.3	28.6	28.8	27.7	29.5
Mean	26.4	27.0	26.4	27.9	26.7	28.1	27.4	27.9	28.4	26.0	28.7	23.4	28.3	27.2
Maximum	29	30.4	31	31.1	30	30.5	31	31.3	32	31.1	33	31.6	31	30.1
Mean Max.	27.6	28.9	28.2	29.3	28.1	29.3	29.0	29.3	29.8	29.3	30.3	28.5	29.4	29.0
Mean Min.	25.3	23.0	24.9	26.2	25.5	25.5	26.2	23.5	27.1	17.9	27.3	16.3	27.2	23.0
Minimum	24	8.2	24	16.5	24	15.4	25	9.5	26	5.8	26	2.8	26	5.3
														MARACAIBO,
1964	--	--	--	--	--	--	--	--	--	--	29.2	3.4	29.3	3.2
1965	25.2	6.3	25.7	4.7	26.4	5.9	26.7	6.1	28.5	3.8	29.6	4.0	28.8	4.5
1966	28.1	4.4	26.4	7.6	26.6	6.5	27.6	6.6	28.6	4.5	29.2	3.8	--	--
1967	27.1	2.6	27.6	3.6	26.7	5.1	27.7	4.4	28.7	3.1	29.9	3.0	29.3	3.3
1968	25.9	4.6	26.5	5.1	--	--	--	--	--	--	--	--	--	--
1969	28.1	4.2	28.2	5.2	29.4	4.1	29.5	3.5	--	--	31.4	2.8	--	--

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
COLOMBIA-continued															
29.2	9.3	28.7	14.4	27.6	10.1	28.3	10.1	26.8	8.9	28.4	9.0	33	20.7	25	2.0
--	--	--	--	--	--	--	--	--	--	--	--	32*	17.9*	25*	3.9*
28.8	8.7	29.0	10.9	29.1	12.4	28.5	11.2	28.5	7.3	28.7	8.0				
33	22.0	34	23.6	33	23.5	33	23.8	32	19.6			34	24.1		
31.6	16.8	31.9	20.2	31.9	19.7	31.3	18.8	31.1	14.1						
25.8	3.4	26.3	5.2	26.2	5.4	25.9	4.7	26.4	3.0						
24	2.0	25	3.0	24	2.4	25	0.1	25	0.0					24	-0.6
COLOMBIA															
29.4	25.3	29.4	23.6	28.3	22.1	29.4	23.2	28.4	26.1	28.7	25.5	31	27.8	26	20.3
30.3	22.8	30.3	21.8	29.9	20.6	29.7	22.0	29.2	24.2	29.2	23.9	32	27.7	26	14.4
30.2	23.8	30.3	22.5	30.0	21.2	29.7	22.5	29.1	24.8	29.2	24.4	33	27.7	26	13.9
30.3	24.0	30.6	22.0	30.1	21.4	29.6	21.5	29.2	25.3	29.4	24.7	32	28.4	27	15.6
30.3	25.7	30.7	24.2	31.2	21.4	29.6	22.0	29.2	24.6	29.2	25.5	32	27.8	26	18.7
30.7	21.3	30.6	20.4	29.9	19.6	29.2	22.7	28.6	23.9	29.4	23.7	32	28.1	27	16.9
30.1	22.5	29.9	21.4	29.9	21.1	29.2	21.2	28.5	23.7	38.9	24.0	32	27.8	27	18.3
30.1	23.0	30.7	20.1	30.6	19.0	30.5	20.9	29.1	24.8	29.1	23.7	32	27.7	26	16.7
30.5	21.6	31.1	20.8	29.9	20.0	30.2	19.9	29.7	22.2	29.8	23.3	33	27.9	26	17.2
30.4	19.1	30.5	18.6	30.2	17.8	29.9	19.8	--	--	--	--	33	30.8*	27	8.8*
30.2	19.7	30.2	19.2	--	--	--	--	--	--	--	--	32*	27.2*	27*	13.4*
30.2	23.1	30.4	21.7	30.1	20.8	29.7	21.8	29.1	24.6	29.3	24.2				
32	27.1	33	26.5	32	24.6	32	26.9	31	28.1			33	30.8		
31.3	25.0	31.7	23.6	31.3	22.7	30.9	24.8	30.2	26.9						
29.1	20.4	29.1	19.6	28.6	18.7	28.3	18.9	28.1	21.7						
27	8.8	27	13.9	26	13.7	27	14.4	27	17.3					26	8.8
COLOMBIA															
28.9	27.5	30.3	24.5	29.3	20.2	28.8	24.0	27.4	25.8	28.0	--	31	31.1	24	5.6
28.7	28.0	29.2	26.2	29.2	21.8	28.1	21.1	27.0	26.1	27.6	25.8	31	29.9	24	-0.5
29.0	27.8	30.0	25.3	29.9	21.9	28.7	21.2	27.2	23.9	28.2	26.0	32	29.5	23	5.4
28.7	29.3	29.8	28.1	29.3	22.2	28.4	13.3	28.1	24.3	28.0	26.4	31	31.1	24	3.0
29.4	27.5	29.4	27.2	29.0	19.0	28.4	20.4	26.9	13.0	28.3	23.4	31	30.3	25	2.8
28.3	29.4	29.4	26.5	29.4	21.2	28.8	21.7	26.9	27.7	27.8	26.8	31	30.0	25	4.9
29.1	29.0	29.5	20.8	29.2	17.4	29.3	27.7	27.8	28.4	28.2	25.0	31	30.4	25	4.2
29.4	20.0	29.6	16.1	29.1	7.0	28.1	8.4	27.3	17.7	28.7	20.6	33	30.5	25	3.1
29.6	24.5	29.5	18.1	29.1	10.0	28.4	11.9	27.1	8.9	28.2	20.8	31	31.6	25	2.0
28.4	26.4	29.4	23.8	--	--	--	--	--	--	--	--	31*	30.3*	26*	7.6*
28.9	27.3	29.6	24.6	29.4	19.7	28.5	20.1	27.2	23.2	28.0	25.2				
31	30.3	32	30.3	32	30.0	32	30.1	30	29.9			33	31.6		
30.0	29.3	30.7	28.4	30.6	26.1	30.1	26.8	28.5	27.7						
27.9	21.4	28.4	17.1	27.7	9.4	27.1	10.5	25.9	17.2						
27	5.4	25	5.3	27	-0.5	26	1.5	23	2.0					23	-0.5
VENEZUELA															
29.6	3.2	29.9	3.2	29.7	6.4	28.8	6.1	26.1	5.6	--	--	31*	7.8*	24*	4.7*
--	--	29.9	4.2	30.0	4.0	29.4	3.5	28.3	3.3	--	--	33	8.7*	24	2.9*
--	--	--	--	29.6	3.7	--	--	--	--	--	--	31	12.1*	24	3.4*
29.9	3.2	29.8	3.4	30.2	3.3	29.0	3.3	28.1	2.8	28.7	3.4	32	7.9	25	2.4
--	--	30.8	3.0	30.3	2.8	--	--	--	--	--	--	32	7.9*	25	2.3*
31.1	3.0	30.9	2.8	30.6	2.3	29.8	2.2	29.2	1.8	--	--	32	7.1*	27*	1.4*

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
														MARACAIBO,
1970	28.8	1.9	--	--	28.4	4.6	29.4	3.5	30.2	3.7	31.1	3.6	31.4	3.3
1971	28.1	2.5	27.5	2.6	27.9	4.3	28.8	3.8	--	--	30.4	2.9	30.2	3.4
Mean	27.3	3.8	27.0	4.8	27.6	5.1	28.3	4.6	29.0	3.8	30.1	3.4	29.8	3.5
Maximum	30	7.9	29	12.1	32	9.5	33	11.3	32	5.8	33	7.7	33	6.8
Mean Max.	29.1	5.0	28.5	6.8	30.0	7.2	29.9	7.0	30.6	5.1	32.0	4.5	31.2	5.1
Mean Min.	26.3	3.0	25.4	3.5	26.0	3.4	26.8	3.1	27.1	3.1	28.7	3.2	28.1	3.5
Minimum	24	1.5	24	2.1	25	2.3	25	2.2	26	2.6	28	2.2	27	2.5
														AMUAY
1953-1954	22.9	26.7	21.9	26.8	21.1	26.9	21.8	26.7	23.4	26.9	24.2	26.9	23.6	26.9
1955-1959	23.8	26.9	22.3	27.0	21.9	26.9	22.8	26.8	23.9	27.2	25.2	27.3	23.7	27.3
1960-1964	23.6	27.6	23.1	27.5	22.3	27.4	23.0	27.4	24.3	27.5	24.8	27.5	23.9	27.6
1965	21.6	27.4	22.0	27.4	19.8	27.2	21.8	27.4	23.9	27.6	23.4	27.7	23.2	27.7
1966	22.1	27.5	22.7	27.6	21.2	27.3	22.2	27.4	22.3	27.5	25.3	27.6	24.1	27.6
1967	21.9	27.5	20.8	27.4	22.4	27.5	22.6	27.7	22.6	27.7	23.3	27.7	22.3	27.6
1968	21.9	27.5	23.3	27.6	24.7	27.7	22.1	27.7	23.7	27.6	25.1	27.5	23.6	27.4
1969	21.6	27.5	22.8	27.6	24.5	27.7	24.3	27.7	24.7	27.7	25.3	27.7	24.7	27.7
1970	23.2	27.7	22.8	27.5	23.2	27.7	22.1	27.6	23.8	27.6	24.9	27.7	24.6	27.7
1971	21.1	27.3	21.1	27.3	21.4	27.4	22.2	27.5	22.8	27.5	23.2	27.6	22.5	27.7
Mean	23.0	27.3	22.4	27.3	22.1	27.3	22.6	27.3	23.8	27.4	24.7	27.4	23.7	27.5
Maximum	28	28.4	27	28.2	27	28.4	27	28.0	29	28.4	30	28.3	27	28.5
Mean Max.	24.8	27.7	23.7	27.6	23.6	27.6	24.7	27.6	25.7	27.7	26.3	27.7	24.9	27.8
Mean Min.	21.7	26.8	21.3	27.0	20.8	26.9	21.4	26.8	22.3	27.1	23.4	27.0	22.6	27.1
Minimum	20	23.7	18	26.2	19	26.2	19	23.0	21	26.5	22	25.5	21	26.4
														LA GUAIRA,
1950-1954	24.3	27.3	24.7	27.2	24.6	27.2	25.3	27.3	27.2	27.2	26.7	27.1	26.6	27.1
1955-1959	25.3	27.3	23.9	27.5	24.2	27.5	25.2	27.5	26.3	27.3	26.7	27.3	26.2	27.5
1960-1964	25.1	27.4	25.1	27.3	24.4	27.4	25.7	27.5	26.8	27.3	26.7	27.4	26.6	27.4
1965	24.9	27.8	23.4	27.9	22.6	27.8	25.6	27.7	26.3	27.9	25.5	27.8	26.1	27.8
1966	24.9	27.8	24.7	27.7	23.6	27.6	25.8	27.5	25.9	27.9	26.7	27.8	27.3	27.8
1967	22.7	27.8	24.1	27.4	24.8	27.4	25.2	27.5	24.9	27.4	25.8	27.2	24.9	27.1
1968	24.3	27.8	25.9	28.4	26.2	28.0	25.7	28.1	27.5	27.7	27.7	27.7	26.8	28.1
1969	24.0	27.9	25.3	27.8	25.9	27.8	26.7	28.0	27.0	27.8	27.6	27.8	26.2	28.1
1970	25.2	27.9	25.9	28.0	25.6	27.8	25.3	28.1	26.9	27.9	26.8	27.6	26.7	27.7
1971	23.6	28.0	24.4	28.0	24.2	28.0	24.9	28.1	26.2	27.9	24.8	28.2	24.6	28.0
Mean	24.7	27.5	24.7	27.5	24.5	27.5	25.5	27.6	26.7	27.4	26.6	27.4	26.3	27.5
Maximum	29	28.7	30	29.3	28	28.7	29	29.2	30	28.7	31	28.7	29	29.0
Mean Max.	26.3	28.0	26.4	28.0	26.1	28.0	27.3	28.1	28.1	28.1	28.3	27.9	27.8	28.0
Mean Min.	23.3	26.8	23.1	26.7	23.1	26.9	23.7	26.9	24.7	26.5	24.9	26.6	24.8	26.8
Minimum	21	24.7	21	22.5	21	25.4	21	26.1	22	23.7	22	25.4	23	26.0
														CARENERO,
1950-1954	27.4	24.2	27.5	23.7	27.3	24.1	28.2	26.6	27.9	26.4	28.4	25.8	28.3	25.5
1955-1956	27.6	26.2	28.3	27.0	28.2	25.3	28.2	26.0	28.9	26.1	28.2	26.1	--	--
Mean	27.5	24.7	27.6	24.2	27.4	24.3	28.2	26.4	28.2	26.3	28.3	25.9	28.3	25.5
Maximum	31	27.4	30	27.5	30	28.1	31	28.7	34	27.8	31	28.0	30	27.8
Mean Max.	29.2	26.7	28.7	27.0	28.9	26.9	29.5	27.6	29.7	27.2	29.3	27.2	29.6	27.0
Mean Min.	26.4	23.0	26.2	22.2	26.2	22.0	26.9	24.8	26.9	25.2	27.2	24.1	27.3	23.1
Minimum	24	14.8	26	14.8	25	14.4	26	21.9	25	23.2	26	16.1	27	13.9

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
VENEZUELA-continued															
31.5	3.1	31.4	3.0	--	--	31.7	2.8	29.4	2.4	--	--	33	6.8*	26*	1.5*
30.5	3.2	--	--	--	--	--	--	--	--	--	--	32*	5.2*	27*	2.1*
30.5	3.1	30.4	3.3	30.1	3.8	29.7	3.6	28.2	3.2	29.0	3.8				
33	7.0	33	7.8	32	6.9	33	6.8	31	6.8			33	12.1		
31.9	4.6	31.7	4.6	31.1	4.7	31.1	4.3	29.4	3.8						
29.1	3.1	29.1	3.4	28.9	3.2	27.9	3.1	26.8	2.7						
28	2.1	28	2.3	28	1.9	27	1.9	24	1.4					24	1.4
VENEZUELA															
22.9	27.1	26.2	26.8	27.3	26.4	26.7	27.0	26.2	27.0	24.0	26.8	29	28.0	19	23.9
24.2	27.2	26.1	27.2	27.8	26.8	27.3	26.8	24.8	27.1	24.5	27.0	31	28.7	18	22.3
24.6	27.6	26.3	27.5	27.8	27.3	27.6	27.4	24.9	27.6	24.7	27.5	33	29.1	19	23.4
22.3	27.5	25.4	27.6	27.0	27.5	26.9	27.1	24.6	27.5	23.5	27.5	28	27.9	19	23.6
24.2	27.7	25.1	27.6	27.5	27.0	27.8	27.2	26.6	27.3	24.3	27.4	29	28.0	20	23.6
22.2	27.6	25.4	27.6	26.2	27.6	27.0	27.5	23.8	27.6	23.4	27.6	28	28.0	20	26.6
23.6	27.6	25.3	27.5	26.1	27.7	26.6	27.7	25.2	27.6	24.3	27.6	28	28.0	21	26.5
24.7	27.6	26.6	27.5	28.8	26.1	28.4	27.0	26.8	27.3	25.3	27.4	30	28.1	21	24.4
25.1	27.8	24.7	27.7	28.3	26.1	27.9	27.1	25.7	27.4	24.7	27.5	30	28.3	21	23.4
--	--	--	--	--	--	--	--	--	--	--	--	--	27.9*	20	27.0*
24.0	27.4	25.9	27.4	27.6	26.9	27.3	27.2	25.2	27.4	24.4	27.3				
31	28.7	30	28.6	31	28.0	33	29.1	28	28.7			33	29.1		
26.1	27.9	28.3	27.9	29.0	27.6	28.9	27.8	26.9	27.8						
22.4	27.0	24.0	26.7	26.1	25.6	26.0	26.3	23.3	27.0						
21	26.1	22	25.1	25	22.3	24	23.6	21	26.1					18	22.3
VENEZUELA															
27.7	27.1	28.7	27.0	28.2	27.0	27.9	26.9	26.6	26.9	26.5	27.1	31	29.3	21	22.5
27.6	27.1	28.0	27.2	28.3	27.0	27.6	27.0	26.3	27.3	26.3	27.3	30	28.4	21	23.7
27.7	27.4	28.3	27.2	28.4	27.1	27.6	27.1	25.9	27.4	26.5	27.3	31	28.7	21	25.2
26.3	27.6	28.2	27.2	28.1	27.3	27.4	27.5	25.7	27.7	25.8	27.7	29	28.3	22	26.2
27.7	27.5	28.2	27.2	28.6	27.2	28.5	26.9	27.1	26.9	26.6	27.5	29	28.4	22	25.8
25.7	27.1	27.7	26.9	28.2	27.4	27.9	26.9	25.7	27.1	25.6	27.3	29	28.6	22	25.5
27.1	28.1	28.3	27.7	27.3	27.7	27.2	27.8	25.8	27.9	26.7	27.9	30	28.7	23	25.4
27.3	28.1	28.6	27.7	29.5	27.0	29.1	27.2	27.2	27.6	27.0	27.7	31	29.0	22	26.4
27.5	27.6	27.7	27.7	29.0	27.1	28.6	27.4	26.2	27.1	26.8	27.7	31	29.3	23	25.5
--	--	--	--	--	--	--	--	--	--	--	--	--	29.2*	22	27.2*
27.4	27.3	28.3	27.2	28.3	27.1	27.8	27.1	26.3	27.2	26.4	27.4				
30	28.6	31	29.3	31	28.7	31	28.4	29	28.4			31	29.3		
28.9	27.9	29.4	27.8	29.4	27.7	29.1	27.7	27.8	27.8						
26.1	26.7	26.8	26.6	27.2	26.3	26.8	26.3	24.7	26.7						
24	25.2	25	25.7	26	25.0	26	22.9	23	25.6					21	22.5
VENEZUELA															
28.6	26.4	28.9	26.6	28.9	26.6	28.7	26.5	28.1	25.4	28.2	25.6	31	28.7	24	13.9
28.7	22.4	28.2	26.2	--	--	--	--	--	--	--	--	34	28.1	26	17.8
28.6	25.8	28.8	26.5	28.9	26.6	28.7	26.5	28.1	25.4	28.2	25.7				
31	28.3	31	28.1	31	28.4	31	27.6	30	27.8			34	28.7		
29.8	27.4	29.9	27.2	29.9	27.4	29.8	27.2	29.4	26.5						
27.8	24.0	27.6	25.7	27.8	25.6	27.7	25.7	27.3	24.4						
27	17.8	27	23.5	27	23.3	27	24.9	27	19.5					24	13.9

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
														CUMANÁ,
1950-1954	24.4	27.4	23.8	27.2	23.4	27.3	24.2	26.9	24.4	27.0	24.7	27.0	25.6	26.6
1955-1959	23.6	27.1	22.4	27.3	21.7	27.3	21.9	27.2	23.7	27.3	24.4	27.1	23.9	27.1
1960-1964	23.1	27.4	22.5	27.3	22.1	27.4	22.5	27.5	24.0	27.6	24.3	27.5	24.6	27.4
1965	23.1	28.0	22.1	28.0	20.7	27.9	22.6	27.9	23.8	27.9	23.6	27.9	23.6	28.0
1966	22.8	27.9	22.3	28.0	21.6	27.8	23.1	27.9	23.5	27.8	24.8	27.9	25.2	27.9
1967	23.2	28.0	21.5	28.1	22.7	27.9	23.3	28.0	23.7	28.0	23.4	26.1	23.6	28.2
1968	22.8	28.1	22.4	28.2	24.4	28.4	24.4	28.0	25.6	27.9	25.7	28.0	24.4	28.0
1969	23.3	28.1	23.7	28.3	24.6	28.3	24.4	28.1	25.0	28.0	25.1	28.0	26.2	28.2
1970	23.7	28.3	23.4	28.2	23.5	27.9	23.1	27.9	24.6	28.1	24.9	28.4	25.2	28.0
1971	22.1	28.2	21.1	28.2	21.1	28.1	21.4	28.2	22.9	28.2	23.3	27.9	22.1	28.2
Mean	23.5	27.5	22.7	27.5	22.5	27.5	22.9	27.4	24.1	27.5	24.4	27.4	24.6	27.4
Maximum	28	28.8	29	28.9	29	28.9	28	29.5	28	28.9	28	29.0	28	28.9
Mean Max.	24.7	28.1	23.9	28.1	24.1	28.1	24.9	28.1	26.1	28.1	26.7	28.0	26.8	28.1
Mean Min.	22.2	26.3	21.8	26.4	21.3	26.4	21.3	26.4	22.7	26.5	22.8	25.9	22.9	24.7
Minimum	21	16.0	20	18.2	20	21.0	20	17.4	21	22.6	21	16.3	22	16.1
														CARÚPANO,
1950-1954	23.9	27.3	22.9	27.3	22.8	27.2	23.0	27.2	23.1	27.2	24.0	27.0	24.6	27.1
1955	25.0	27.4	23.6	27.4	23.0	27.4	21.3	27.2	22.5	27.2	23.5	27.4	25.3	27.5
1966	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1967	23.1	28.4	22.7	28.9	--	--	--	--	23.1	29.3	22.8	28.2	23.4	28.1
1968	22.9	28.1	23.1	28.2	23.9	28.3	24.1	28.3	23.5	28.1	24.6	28.2	24.3	28.1
1969	22.8	28.1	23.4	28.2	23.4	28.2	24.3	28.0	23.9	28.1	24.1	28.0	25.2	27.9
1970	23.8	27.4	23.6	27.3	23.7	27.3	22.7	27.5	23.3	27.4	24.5	27.4	24.7	27.2
1971	23.0	27.2	22.2	27.2	22.6	27.0	22.6	27.1	22.3	26.9	23.7	27.3	23.4	27.1
Mean	23.6	27.5	23.0	27.6	23.1	27.4	23.0	27.4	23.1	27.5	23.9	27.4	24.4	27.4
Maximum	28	28.9	26	29.9	27	28.5	27	28.6	26	31.6	26	28.9	27	28.6
Mean Max.	25.3	27.9	24.4	28.0	24.7	27.7	24.9	27.7	24.5	28.1	25.2	27.8	25.8	27.8
Mean Min.	22.2	26.9	21.8	27.3	21.6	27.2	21.6	27.0	21.9	27.0	22.5	26.8	23.2	26.9
Minimum	21	25.5	21	26.6	21	26.5	20	26.4	21	25.9	21	23.7	22	26.2
														PUERTO DE
1955-1959	27.7	18.6	27.5	21.1	28.2	22.4	28.4	23.1	28.8	22.9	28.7	18.9	29.2	13.9
1960-1963	27.8	18.3	27.7	20.3	27.8	21.9	28.4	22.8	28.8	22.9	28.7	18.9	29.2	13.1
Mean	27.7	18.5	27.5	20.7	27.9	22.1	28.3	22.9	28.7	22.9	28.7	18.9	29.2	13.4
Maximum	29	23.3	29	24.9	30	25.4	31	25.4	31	25.6	31	24.5	31	23.8
Mean Max.	28.6	21.5	28.3	23.6	28.8	24.1	29.5	24.2	29.7	24.3	29.9	21.7	30.6	17.6
Mean Min.	27.2	14.6	26.8	15.8	27.0	19.9	27.5	21.2	27.5	21.1	27.5	14.8	28.1	9.4
Minimum	26	12.8	26	12.8	26	18.9	26	20.2	27	18.7	26	9.3	27	7.2
														GÜIRIA,
1963-1964	26.8	20.7	27.3	20.6	27.2	22.1	28.4	22.8	28.6	22.2	29.0	16.2	29.4	10.8
1965	26.7	19.2	26.3	20.6	27.8	22.1	27.1	20.4	--	--	--	--	--	--
1966	27.3	15.1	27.0	20.4	27.6	22.1	28.3	23.3	29.1	24.4	28.8	20.1	28.9	17.2
1967	26.9	16.4	26.9	19.9	26.9	22.9	27.9	23.8	28.2	22.4	28.3	19.6	28.2	15.0
1968	27.0	20.0	26.9	21.2	27.5	21.9	28.3	22.1	29.2	22.1	28.5	20.4	--	--
Mean	26.9	18.3	26.9	20.5	27.4	22.2	28.1	22.5	28.8	22.7	28.7	18.5	28.9	13.4

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
VENEZUELA															
26.7	25.4	28.0	26.0	27.4	26.4	26.8	26.8	25.3	27.1	25.4	26.8	31	29.5	20	15.2
25.7	27.0	26.2	26.7	26.6	26.8	26.0	26.9	24.3	27.1	24.2	27.1	30	28.7	20	16.0
26.0	27.2	26.9	27.2	26.5	27.3	26.1	27.4	24.8	27.5	24.4	27.4	29	28.7	20	23.7
24.4	27.9	26.6	27.7	26.2	27.7	26.3	27.7	24.6	27.8	24.0	27.9	28	28.5	20	26.4
26.3	27.6	26.2	27.8	26.8	27.7	28.0	27.3	26.3	27.6	24.7	27.8	29	28.4	21	26.5
23.6	28.2	26.9	28.1	26.7	27.9	25.7	28.0	24.2	28.1	24.1	27.9	28	28.8	21	27.1
24.5	28.2	26.1	28.1	25.7	28.1	25.4	28.1	25.0	28.2	24.7	28.1	28	29.0	22	26.6
26.4	27.5	27.3	27.9	29.3	28.0	27.7	28.2	26.1	28.1	25.8	28.1	30	28.9	22	25.6
25.2	27.9	25.9	27.9	27.7	28.3	26.4	28.4	25.7	28.2	24.9	28.1	29	28.9	22	27.1
23.7	28.4	--	--	--	--	--	--	--	--	--	--	27*	28.8*	21*	26.7*
25.7	27.0	26.9	27.0	26.9	27.2	26.4	27.3	24.9	27.5	24.6	27.4				
29	29.1	31	28.8	31	28.8	31	28.8	29	28.7			31	29.5		
27.8	28.2	28.3	27.9	28.3	28.0	28.1	28.0	26.7	28.0						
23.7	23.9	25.0	24.6	25.4	25.0	25.2	25.8	23.3	26.4						
22	15.2	23	16.2	23	17.6	24	20.1	22	21.7					20	15.2
VENEZUELA															
25.1	26.9	25.8	27.0	26.8	27.0	26.3	27.1	25.4	27.2	24.5	27.1	29	28.1	21	23.7
--	--	--	--	--	--	--	--	--	--	--	--	28*	27.9*	20*	26.6*
--	--	--	--	--	--	27.8	28.3	26.4	28.4	--	--	--	--	--	--
23.2	28.1	24.1	28.4	25.2	28.4	25.3	28.0	24.7	28.1	--	--	27	31.6*	22*	27.1*
24.1	28.1	24.3	28.0	24.7	28.0	24.7	28.0	25.0	28.0	24.1	28.1	27	28.7	21*	27.6
25.3	28.0	25.7	28.1	28.2	28.0	27.2	28.0	26.0	27.3	24.9	28.0	30	28.5	21	26.7
24.7	27.2	24.7	27.2	26.3	27.1	27.2	27.0	25.1	27.1	24.5	27.3	28	27.9	22	26.5
--	--	--	--	--	--	--	--	--	--	--	--	25*	27.8*	21	26.2*
24.8	27.3	25.3	27.4	26.4	27.4	26.3	27.5	25.4	27.4	24.3	27.4				
28	28.5	29	28.8	30	29.2	29	29.2	29	30.1			30	31.6		
26.4	27.7	27.3	27.8	28.1	27.8	27.6	27.9	27.1	28.0						
23.4	26.9	23.5	27.0	25.1	26.8	25.2	27.0	23.9	26.7						
22	26.0	22	26.4	23	25.4	24	26.4	23	23.0					20	23.0
HIERRO, VENEZUELA															
29.6	11.2	30.4	9.1	29.8	11.8	29.1	14.9	28.5	15.7	28.8	17.0	32	25.6	26	4.5
29.8	8.8	30.0	7.5	29.7	10.3	29.2	12.8	28.3	14.5	28.8	16.0	32	25.1	27	3.5
29.7	10.0	30.2	8.3	29.8	11.0	29.2	13.8	28.3	15.2	28.8	16.5				
32	17.5	32	14.8	32	21.7	32	19.3	30	21.3			32	25.6		
31.1	13.4	31.8	12.2	31.1	17.0	30.6	17.6	29.3	18.6						
28.5	7.2	28.9	5.2	28.3	6.4	28.1	10.5	27.3	11.3						
28	3.5	28	4.0	28	4.1	27	9.2	27	10.3					26	3.5
VENEZUELA															
29.2	6.2	29.4	6.2	29.0	8.0	28.2	11.3	27.4	16.0	28.3	15.3	32	25.6	24	0.5
28.8	10.1	29.4	7.0	29.2	7.3	28.4	9.7	28.2	17.2	--	--	30*	23.4*	26*	5.0*
29.3	15.1	30.7	12.3	29.3	12.4	29.2	13.9	28.0	15.0	28.6	17.6	31	25.6	26	10.1
28.7	10.2	29.4	10.0	29.2	12.4	28.7	15.9	27.8	17.7	28.1	17.2	30	25.4	26	6.7
--	--	--	--	--	--	--	--	--	--	--	--	30*	22.9*	26*	17.9*
29.1	9.5	29.7	8.3	29.1	9.6	28.6	12.4	27.8	16.4	28.2	17.0				

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
														GUIRIA,
Maximum	28	22.8	29	22.9	31	24.8	30	25.6	30	24.9	31	24.4	31	22.3
Mean Max.	28.0	20.8	28.1	22.5	28.6	23.6	29.2	24.1	29.6	23.9	29.8	22.1	29.9	18.1
Mean Min.	26.3	15.1	26.2	18.3	26.1	19.9	27.1	19.8	27.9	21.3	28.0	13.9	27.8	10.7
Minimum	26	11.8	26	17.4	26	18.8	26	14.1	28	18.3	28	0.5	27	5.7
														BELÉM,
1950-1954	29.0	-0.1	28.8	-0.2	28.6	-0.3	28.8	-0.4	28.7	-0.3	28.8	-0.2	28.8	-0.2
1955-1959	28.9	-0.3	28.5	-0.5	28.3	-0.5	28.2	-0.4	28.3	-0.3	28.6	-0.3	28.6	-0.3
1960-1964	28.5	-0.2	28.0	-0.4	27.9	-0.4	27.7	-0.4	27.7	-0.5	28.3	-0.3	28.6	-0.3
1965	28.4	-0.9	28.2	-0.9	28.1	-0.7	27.6	-0.9	27.7	-0.8	28.3	-0.6	28.1	-0.6
1966	--	--	29.3	--	28.4	--	28.2	-0.6	28.2	-0.4	28.3	-0.5	28.6	-0.6
1967	28.6	-0.7	28.4	-0.7	27.8	-0.9	27.6	-0.9	27.4	-0.5	27.9	-0.3	28.3	-0.3
1968	28.5	-0.7	28.4	-0.8	28.1	-0.9	28.3	-1.0	27.8	-1.2	27.8	-1.2	28.3	-1.1
1969	28.4	-1.1	28.7	-1.0	28.8	-1.0	28.6	-0.9	28.4	-0.7	28.7	-0.7	28.8	-0.8
1970	28.5	0.1	28.6	-0.5	28.6	-0.5	28.8	-0.7	28.7	-0.8	28.7	-0.8	28.7	-0.7
1971	28.7	-0.4	28.2	-0.6	28.1	-0.6	27.6	-0.6	27.4	-0.7	27.7	-0.5	28.3	-0.5
Mean	28.7	-0.4	28.4	-0.5	28.2	-0.5	28.1	-0.5	28.2	-0.5	28.4	-0.4	28.6	-0.4
Maximum	30	2.5	29	0.7	29	0.4	29	0.2	29	0.8	29	1.3	30	0.4
Mean Max.	29.1	0.1	28.9	-0.2	28.8	-0.2	28.6	-0.2	28.5	-0.2	28.7	0.0	29.1	-0.1
Mean Min.	28.1	-0.6	27.8	-0.8	27.7	-0.8	27.6	-0.8	27.7	-0.8	28.0	-0.7	28.1	-0.6
Minimum	27	-1.2	26	-1.4	27	-1.4	27	-1.3	27	-1.5	27	-1.5	28	-1.3
														SALINÓPOLIS,
1951-1954	28.2	23.0	27.9	25.1	28.2	21.0	28.2	--	28.7	18.5	28.7	20.8	28.4	21.9
1955	27.7	--	27.6	--	28.3	--	28.0	--	28.5	--	28.3	--	28.3	--
Mean	28.0	23.0	27.8	25.1	28.2	21.0	28.1	--	28.7	18.5	28.6	20.8	28.4	21.9
Maximum	29	28.6	29	28.0	30	28.0	30	--	30	22.4	30	24.3	29	23.9
Mean Max.	28.9	28.4	29.0	27.0	29.3	--	29.3	--	29.6	--	29.2	23.6	28.9	--
Mean Min.	27.2	16.0	26.6	23.9	26.7	--	26.6	--	27.7	--	27.7	16.6	27.8	--
Minimum	27	13.7	26	21.6	26	14.5	26	--	27	14.4	27	15.3	27	19.0
														AMARRAÇÃO,
1958	28.0	11.3	28.5	9.7	28.6	12.1	29.1	8.6	27.4	12.9	27.4	16.9	26.9	17.2
														FORTALEZA
1950-1954	27.6	28.3	27.8	28.3	27.8	28.2	27.9	28.1	27.9	28.0	27.6	28.1	27.3	28.0
1955-1959	27.6	28.2	27.7	28.1	27.7	28.1	27.7	28.0	27.5	27.9	27.8	28.0	27.6	28.0
1960-1964	27.4	28.0	27.4	28.0	27.4	27.8	27.3	27.5	27.4	27.6	27.3	27.5	27.4	27.6
1965	27.3	27.9	28.1	27.7	28.2	27.4	28.3	26.0	27.4	25.6	27.1	25.9	26.8	25.7
1966	27.5	27.9	27.8	27.4	28.3	27.2	28.6	27.2	28.5	27.2	27.9	27.1	26.7	26.8
1967	28.2	27.5	28.3	26.7	28.1	26.1	28.8	25.5	28.7	25.5	26.4	25.8	25.9	25.8
1968	27.8	27.8	28.1	27.6	28.3	27.0	28.4	26.0	27.7	26.1	27.1	26.2	26.4	26.5
1969	28.3	27.7	29.3	27.7	29.2	27.3	29.2	26.5	28.5	26.5	27.8	26.4	27.6	26.2
1970	28.1	27.9	28.6	27.8	28.4	27.4	28.3	27.3	28.2	27.4	27.7	27.4	27.2	27.2
1971	27.9	27.6	28.2	27.5	27.9	27.1	28.7	26.6	28.6	26.0	28.1	26.6	26.5	26.4
Mean	27.7	28.0	27.9	27.9	27.8	27.7	27.9	27.4	27.8	27.3	27.6	27.4	27.2	27.3
Maximum	29	29.3	30	29.2	30	29.2	31	29.2	29	28.9	31	28.9	29	28.9
Mean Max.	28.4	28.5	28.9	28.4	28.9	28.2	28.8	28.1	28.6	27.9	28.3	27.9	28.1	27.8
Mean Min.	26.5	27.3	26.7	27.3	26.6	26.9	26.7	26.4	26.7	26.5	26.6	26.7	25.8	26.5
Minimum	26	26.9	24	26.1	25	25.6	26	24.1	26	24.8	26	25.0	25	23.7

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
VENEZUELA-continued															
32	17.2	32	14.2	31	15.1	30	19.1	29	20.7			32	25.6		
30.2	12.1	30.7	11.1	29.9	12.4	29.4	16.4	28.7	18.8						
28.1	6.9	28.4	6.2	28.2	7.9	27.6	9.7	26.3	12.7						
28	2.6	27	3.8	28	5.7	27	6.7	24	9.7					24	0.5
BRAZIL															
29.0	-0.2	29.0	-0.3	28.9	-0.1	29.0	0.0	28.9	-0.1	28.9	-0.2	30	1.5	26	-1.4
28.8	-0.3	28.7	-0.2	28.6	0.0	28.7	0.3	28.7	0.1	28.6	-0.2	30	2.4	27	-1.1
28.9	-0.2	28.8	0.0	28.7	0.0	28.8	0.2	28.7	0.0	28.4	-0.2	30	1.8	27	-1.1
28.6	-0.7	28.8	-0.8	--	--	--	--	--	--	--	--	29*	0.4*	27	-1.2*
29.1	-0.9	28.9	-0.8	28.9	-0.3	28.9	0.0	29.0	-0.3	--	--	29	0.4*	28	-1.2*
28.7	-0.7	28.6	-0.6	28.4	-0.4	28.3	-0.6	28.6	-0.6	28.2	-0.6	29	0.8	27	-1.1
28.7	-1.1	28.8	-1.0	28.6	-0.9	28.6	-0.8	28.5	-1.0	28.4	-1.0	29	-0.5	27	-1.5
29.1	-0.6	28.8	-0.5	28.8	-0.4	28.9	0.3	28.9	1.2	28.7	-0.5	29	2.6	28	-1.3
28.8	-0.5	28.7	-0.5	28.8	-0.5	28.7	-0.4	28.8	-0.4	28.7	-0.5	29	2.5	28	-1.0
28.4	-0.5	28.4	-0.7	28.4	-0.8	28.2	-0.6	28.1	-0.7	28.1	-0.6	29	0.0	27	-1.1
28.8	-0.4	28.8	-0.4	28.7	-0.2	28.8	0.0	28.8	-0.1	28.6	-0.3				
30	0.7	29	1.4	30	1.4	30	2.4	29	2.6			30	2.6		
29.2	-0.1	29.0	0.1	29.1	0.3	29.1	0.4	29.0	0.3						
28.3	-0.7	28.3	-0.7	28.3	-0.6	28.3	-0.4	28.3	-0.5						
27	-1.2	28	-1.1	28	-1.2	28	-1.1	28	-1.2					26	-1.5
BRAZIL															
28.1	24.8	28.0	26.4	28.1	27.5	28.2	28.1	28.2	28.3	28.2	--	30	29.4	26	13.7
28.0	--	28.1	24.3	28.3	26.1	28.6	27.0	28.2	26.7	28.2	--	30	27.9*	27	--
28.1	24.8	28.0	26.0	28.1	27.2	28.3	27.9	28.2	28.0	28.2	--				
29	27.2	30	29.2	30	29.0	29	29.4	30	29.4			30	29.4		
28.9	26.2	29.2	27.8	29.2	27.9	29.0	28.4	29.1	28.8						
27.1	22.8	27.0	23.2	27.2	26.5	27.2	27.5	27.4	27.0						
27	20.7	27	15.2	27	25.4	27	26.5	27	25.0					26	13.7
BRAZIL															
26.6	16.5	26.6	17.1	26.6	17.2	26.7	17.3	27.1	16.2	27.5	14.4	30	28.8	26	-1.6
(Mucuripe), BRAZIL															
26.9	27.9	27.0	27.8	27.1	28.1	27.2	28.2	27.6	28.2	27.5	28.1	29	29.3	24	25.9
27.4	27.9	27.4	28.0	27.4	28.1	27.5	28.1	27.6	28.0	27.6	28.0	29	29.2	23	25.9
27.4	27.6	27.2	27.5	27.2	27.7	27.5	27.9	27.4	28.0	27.4	27.7	29	29.1	24	23.8
26.3	26.4	26.2	27.1	27.2	27.8	27.0	27.8	27.5	27.9	27.3	26.9	29	28.6	25	24.8
26.3	26.1	26.7	26.4	27.7	26.9	27.3	27.3	28.1	27.6	27.6	27.1	31	28.2	24	25.8
27.7	25.7	26.2	26.5	26.1	26.7	26.9	27.4	27.6	27.9	27.4	26.4	29	28.1	26	24.7
26.4	26.5	26.4	26.8	27.4	27.4	28.0	27.6	28.1	27.6	27.5	26.9	30	28.4	26	24.9
26.9	26.0	26.7	26.2	27.1	26.6	27.3	27.9	28.4	28.0	28.1	26.9	30	28.4	26	25.6
26.9	27.4	27.2	26.7	27.3	26.4	--	--	28.2	27.7	--	--	29	28.3*	26	25.9*
26.3	26.7	26.7	27.0	27.3	27.1	27.4	27.4	27.4	27.7	27.6	27.0	31	28.2	25	23.7
27.1	27.3	27.0	27.4	27.2	27.6	27.4	27.9	27.6	28.0	27.5	27.6				
29	28.9	28	28.8	29	28.9	29	29.2	29	29.2			31	29.3		
27.9	27.8	27.8	27.9	28.1	28.1	28.2	28.4	28.4	28.5						
25.4	26.6	25.8	26.5	26.0	26.9	26.2	27.2	26.3	27.4						
23	25.3	25	23.8	26	25.9	26	26.0	26	27.1					23	23.7

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
														RECIFE,
1950-1954	28.8	27.0	29.4	27.1	29.2	26.4	28.8	24.9	27.7	22.8	26.4	22.6	25.9	22.1
1955-1959	28.8	26.8	29.3	26.5	29.3	24.5	28.8	21.4	27.9	21.0	26.9	19.9	26.1	20.2
1960-1964	29.0	24.6	29.4	24.7	29.0	19.1	28.9	18.2	28.2	20.1	26.6	18.5	25.9	17.9
1965	28.7	24.0	29.3	26.2	29.4	25.6	29.6	20.2	28.7	18.1	26.3	12.3	26.7	19.5
1966	29.2	25.8	28.9	21.0	29.2	21.7	29.2	20.9	28.3	19.9	26.9	14.3	25.9	9.9
1967	29.3	25.7	29.9	24.1	29.3	20.0	28.8	11.9	28.4	15.4	27.2	18.5	26.1	15.6
1968	28.6	23.8	29.2	24.4	28.9	20.5	29.1	21.9	27.7	20.4	26.2	22.6	25.7	21.0
1969	29.6	25.6	29.8	26.3	30.1	19.5	29.9	19.9	29.2	17.1	27.9	13.8	26.9	10.1
1970	29.7	26.3	29.8	25.9	29.7	22.8	28.8	19.2	28.1	23.7	27.5	20.3	26.5	18.4
1971	29.3	25.9	30.0	26.0	30.0	25.9	30.3	19.8	27.9	18.0	27.9	21.1	--	--
Mean	29.0	25.9	29.4	25.7	29.3	22.9	29.0	20.5	28.1	20.3	26.8	18.9	26.1	18.8
Maximum	31	29.2	31	28.8	31	28.8	31	28.3	31	27.8	32	27.8	29	27.2
Mean Max.	29.7	28.2	30.2	27.9	30.1	27.5	30.0	26.2	29.3	26.1	28.3	25.7	27.1	25.6
Mean Min.	28.0	21.6	28.6	21.1	28.0	14.4	27.7	10.6	26.4	10.6	25.3	8.6	24.9	9.0
Minimum	26	5.0	27	4.2	27	3.0	26	2.4	24	1.9	23	0.8	23	1.9
														SALVADOR,
1950-1954	27.1	27.2	27.4	27.5	27.7	27.5	27.7	27.3	27.0	26.2	26.0	26.3	24.9	26.4
1955-1959	26.9	27.4	27.4	27.2	27.7	26.6	27.6	26.7	27.0	26.4	26.2	26.2	25.1	26.1
1960-1964	27.2	26.4	27.6	26.8	27.8	26.1	27.8	26.1	26.9	25.1	25.6	25.1	24.9	25.6
1965	26.9	27.7	27.7	27.3	28.1	27.9	28.0	27.3	27.9	26.4	26.5	26.0	26.1	25.6
1966	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1967	27.6	26.9	27.9	27.4	28.4	27.5	28.6	26.3	27.2	25.1	26.5	25.6	25.3	25.5
1968	26.4	26.2	27.1	26.2	27.3	25.5	27.6	25.4	25.6	25.1	24.1	24.6	23.8	25.1
1969	27.5	26.5	27.5	26.4	27.9	25.3	28.0	24.2	26.8	24.3	26.7	24.8	25.7	25.3
1970	27.3	25.8	27.6	26.1	28.1	26.1	28.1	26.2	27.5	26.4	26.5	26.5	24.8	25.9
1971	27.4	27.8	28.2	27.9	28.4	28.0	28.9	27.8	27.1	25.9	26.4	26.0	26.1	26.6
Mean	27.1	27.0	27.6	27.1	27.8	26.7	27.8	26.6	27.0	25.8	25.9	25.8	25.1	25.9
Maximum	28	31.1	29	28.6	29	28.8	30	29.2	29	29.5	28	28.1	27	28.0
Mean Max.	27.8	27.9	28.2	27.8	28.5	27.8	28.6	27.4	27.9	27.0	26.6	26.5	25.6	26.6
Mean Min.	26.4	25.9	26.7	26.2	27.3	25.2	26.9	25.5	24.0	24.8	25.1	25.0	24.2	25.1
Minimum	26	14.9	26	17.6	26	13.7	22	22.2	24	21.7	23	21.5	21	23.4
														CANAVIEIRAS,
1952-1954	28.2	7.4	28.2	14.5	28.1	9.4	26.9	6.2	25.6	7.8	24.8	8.7	24.0	9.9
1955-1959	27.3	5.3	27.6	7.4	27.3	8.0	26.8	6.0	25.4	6.8	24.2	8.8	23.3	7.5
1960-1964	27.6	4.8	27.7	6.8	27.3	9.7	27.0	13.2	25.3	9.6	23.9	12.4	23.5	12.4
1965	27.6	8.1	27.2	15.3	27.4	16.5	27.0	11.4	26.2	14.5	24.5	9.3	24.0	10.9
1966	27.9	12.4	27.5	14.5	27.7	16.7	27.1	14.2	25.8	13.8	24.2	14.5	23.4	10.3
1967	28.1	16.7	27.9	18.5	27.8	15.6	27.4	14.5	25.9	15.3	25.1	19.8	23.9	20.1
1968	--	--	--	--	26.3	0.1	26.3	4.0	24.2	5.8	22.9	9.9	22.8	11.7
1969	28.3	6.0	28.4	2.6	27.9	2.7	27.6	6.1	25.8	5.8	25.1	8.0	24.5	7.6
1970	27.3	0.0	27.9	3.2	--	--	--	--	--	--	--	--	--	--
1971	28.3	8.3	28.4	11.1	--	--	28.0	1.5	--	--	--	--	--	--
Mean	27.7	6.6	27.8	9.5	27.4	9.4	27.0	8.6	25.4	8.9	24.3	10.7	23.6	10.4
Maximum	31	27.7	31	26.8	30	26.7	29	27.2	31	26.6	27	26.6	27	26.8
Mean Max.	29.2	18.7	29.3	22.4	29.0	22.8	28.7	19.9	27.5	20.6	25.7	23.7	24.9	24.8
Mean Min.	26.1	-0.1	26.0	1.5	25.2	1.3	24.8	1.2	23.7	0.8	22.7	1.0	22.0	0.8
Minimum	24	-1.5	23	-1.7	22	-1.7	22	-1.9	22	-1.3	21	-1.3	21	-1.6

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
BRAZIL															
25.6	23.3	26.6	24.7	27.5	26.2	28.1	26.7	28.4	26.5	27.7	25.0	31	29.2	24	12.0
26.1	22.0	26.8	24.2	27.8	25.9	28.3	26.5	28.6	26.8	27.9	23.8	31	28.2	24	3.2
26.0	21.4	26.7	22.8	27.7	25.0	28.4	25.9	28.7	25.8	27.9	22.0	31	28.6	23	2.4
26.7	22.0	27.0	22.4	28.5	23.6	28.4	25.6	28.6	26.3	28.2	22.2	31	29.4	24	0.8
26.2	17.4	27.1	18.9	28.3	22.7	28.6	23.4	29.0	25.1	28.1	20.1	31	28.1	24	1.9
26.2	18.0	27.2	21.6	27.4	22.6	28.2	24.8	28.6	25.4	28.1	20.3	31	28.2	25	2.8
26.0	23.7	26.9	24.3	28.3	25.9	--	--	29.1	26.2	--	--	31	29.2*	25	12.4*
26.8	16.9	27.7	22.3	28.9	24.1	29.4	25.7	29.6	26.5	28.8	20.6	32	28.3	26	2.3
26.2	14.0	27.8	21.9	28.8	22.8	29.2	24.8	29.4	25.9	28.4	22.2	31	28.5	24	1.6
26.8	19.7	27.6	22.1	28.6	22.4	28.8	24.5	29.0	26.1	--	--	31	28.5*	24	2.8*
26.1	21.2	26.9	23.3	27.9	25.0	28.4	25.9	28.7	26.2	27.9	22.9				
28	27.5	29	27.7	30	28.4	31	29.4	31	28.4			32	29.4		
27.0	26.3	28.1	26.9	28.9	27.4	29.2	27.8	29.5	27.9						
25.0	13.0	25.8	17.4	26.9	21.6	27.5	23.0	27.7	22.1						
24	1.6	24	7.9	26	16.8	24	18.1	27	2.9					23	0.8
BRAZIL															
24.7	26.6	25.1	26.8	25.8	27.3	26.2	27.6	26.6	27.2	26.4	27.0	29	28.8	22	24.6
24.9	26.3	25.2	26.8	25.9	27.2	26.4	27.1	26.8	27.2	26.4	26.8	29	28.8	21	13.7
24.8	25.8	25.4	26.4	25.9	27.0	26.5	27.2	26.9	26.8	26.4	26.2	29	29.6	23	14.9
25.4	26.3	25.8	26.9	--	--	--	--	--	--	--	--	29	31.1*	25*	24.9*
25.0	25.5	25.3	26.2	25.9	26.5	26.5	27.2	26.9	27.0	--	--	28*	28.1*	24*	23.7*
25.0	26.2	25.6	27.0	25.8	26.9	26.0	26.9	26.6	26.5	26.7	26.5	29	27.8	24	24.1
24.2	25.9	24.6	26.5	25.8	26.9	26.2	27.1	26.8	26.1	25.8	25.9	28	27.7	23	23.4
25.6	26.0	25.9	26.9	26.6	27.5	26.7	27.4	27.2	27.3	26.8	26.0	29	28.2	25	21.7
24.5	25.6	25.5	26.4	26.4	26.9	26.9	27.4	27.1	27.1	26.7	26.4	29	28.1	22	24.4
25.6	25.8	25.6	26.6	25.7	27.1	25.6	26.5	25.7	26.5	26.7	26.9	30	28.5	23	24.5
24.9	26.1	25.3	26.7	25.9	27.1	26.3	27.2	26.7	27.0	26.4	26.6				
27	28.0	27	28.4	28	28.3	28	29.6	28	29.2			30	31.1		
25.4	26.8	25.8	27.3	26.7	27.7	27.1	27.9	27.5	27.9						
24.3	25.4	24.9	25.9	25.3	26.5	25.7	26.5	26.1	26.0						
22	23.7	24	24.5	24	24.7	24	24.0	26	24.3					21	13.7
BRAZIL															
23.6	7.3	25.2	11.9	26.5	13.4	26.8	12.9	26.5	2.7	26.2	9.3	30	26.8	21	-1.9
23.7	9.2	24.8	10.8	25.8	10.5	26.1	4.8	27.2	6.1	25.8	7.6	29	26.7	21	-1.6
23.8	12.7	24.9	15.0	25.9	18.1	26.3	12.9	26.8	8.5	25.8	11.3	31	27.7	21	-1.8
24.0	12.5	25.3	16.1	25.9	15.4	26.3	8.1	27.7	6.4	26.1	12.0	30	27.0	22	-1.5
23.7	14.0	25.2	18.2	26.1	16.0	26.9	16.2	26.8	10.4	25.9	14.3	31	27.1	21	-0.6
24.7	21.4	24.9	21.5	25.6	14.6	26.3	13.7	26.1	2.1	26.1	16.2	30	27.7	21	-1.3
23.3	13.8	24.2	13.7	25.6	13.9	--	--	26.8	-0.4	--	--	29	26.0*	21	-1.5*
24.9	9.3	25.5	12.3	26.7	6.7	27.6	10.6	26.3	0.4	26.6	6.5	29	26.2	23	-1.3
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
23.8	11.2	24.9	13.7	26.0	13.9	26.4	10.3	26.8	5.6	25.9	9.9				
27	27.2	27	27.0	29	27.7	29	27.2	30	26.9			31	27.7		
25.3	24.8	26.3	25.9	27.6	25.3	28.4	24.0	28.6	17.7						
22.6	1.6	23.1	2.3	24.3	1.9	24.2	0.2	24.6	-0.4						
21	-1.2	21	-1.2	23	-1.6	23	-1.8	24	-1.7					21	-1.9

Table 1. – Surface Water
Means and

Years	January		February		March		April		May		June		July	
	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
											RIO DE	JANEIRO	(Fortaleza	
1950-1954	23.9	23.7	24.7	22.9	24.2	23.0	23.7	22.7	22.9	23.4	21.7	25.1	20.6	25.7
1955-1959	23.1	23.9	23.6	24.8	24.8	24.2	24.4	22.9	22.7	24.1	21.4	25.2	21.6	25.5
1960-1964	24.2	24.6	24.3	22.9	24.1	23.3	23.0	24.8	22.1	24.6	21.7	25.3	21.2	25.2
1965	23.8	21.0	24.9	20.4	25.2	22.4	24.3	24.1	23.4	24.7	22.7	24.9	21.8	24.9
1966	24.3	23.3	22.5	23.6	25.0	22.8	23.7	20.4	22.9	22.5	22.4	23.9	22.3	24.8
1967	25.8	18.0	27.0	19.2	26.3	16.5	25.1	20.2	23.9	22.4	22.3	24.6	21.7	24.8
1968	24.0	21.2	23.5	23.4	24.9	20.6	23.9	22.7	22.1	24.8	21.6	25.5	21.1	25.6
1969	25.6	23.7	26.3	23.3	26.5	22.9	24.8	22.0	23.6	25.1	22.2	25.7	20.6	25.7
1970	24.2	22.4	25.2	24.1	24.0	24.6	22.3	24.6	22.9	25.4	22.8	25.8	21.1	25.5
1971	27.2	23.7	26.4	24.9	26.4	19.6	26.0	22.5	24.4	24.2	22.4	24.3	21.6	24.5
Mean	24.1	23.4	24.5	23.3	24.7	22.8	23.9	23.1	22.8	24.1	21.8	25.1	21.2	25.4
Maximum	29	28.3	29	27.4	29	27.4	28	26.4	26	26.4	24	27.0	24	27.0
Mean Max.	26.4	25.5	26.6	25.0	26.8	24.9	25.8	24.9	24.1	25.3	22.9	26.0	22.4	26.1
Mean Min.	21.6	20.4	22.2	20.9	22.6	20.3	22.2	21.5	21.5	22.5	20.4	24.1	20.0	24.5
Minimum	17	12.2	19	14.5	20	13.4	20	16.8	19	17.8	17	22.5	18	23.5
													IMBITUBA,	
1950-1954	22.9	26.3	23.2	26.4	22.8	26.5	21.5	26.2	20.4	26.0	18.9	25.9	17.0	25.2
1955-1959	21.8	25.8	24.7	25.6	24.0	25.5	22.7	25.8	19.8	25.4	17.5	24.2	17.3	24.3
1960-1964	22.0	25.8	22.3	25.5	21.7	25.6	22.2	25.9	20.4	24.7	18.3	24.5	17.5	24.5
1965	23.0	26.0	24.3	26.0	24.4	25.6	22.3	25.3	20.0	24.3	18.8	23.8	18.2	24.9
1966	23.9	25.8	25.3	25.3	25.0	25.1	21.3	25.1	21.0	25.2	19.4	24.2	18.4	23.7
1967	21.7	25.6	22.1	25.7	22.4	25.7	23.3	25.9	21.1	25.8	18.5	24.9	17.6	24.6
1968	22.3	26.0	19.9	26.0	21.9	26.0	21.1	25.7	18.1	24.2	17.8	24.5	17.9	24.8
1969	22.8	25.5	24.1	25.8	24.2	25.8	23.2	25.7	21.2	26.5	18.9	26.2	17.7	26.2
1970	21.4	26.6	25.0	26.6	21.9	26.6	22.3	26.4	21.7	26.4	20.3	26.4	17.6	25.8
1971	22.8	26.5	25.8	26.1	24.5	25.3	22.6	24.8	18.7	24.9	16.8	23.3	17.3	24.9
Mean	22.3	26.0	23.4	25.9	23.1	25.8	22.2	25.9	20.2	25.4	18.4	24.8	17.4	24.8
Maximum	27	27.2	28	27.5	27	27.3	25	27.0	26	27.3	22	27.7	21	27.3
Mean Max.	25.2	26.5	25.6	26.6	25.2	26.5	23.8	26.5	22.0	26.2	20.1	26.1	19.0	26.1
Mean Min.	18.7	25.3	20.1	25.0	20.1	24.7	20.0	25.2	18.2	24.3	16.7	23.8	16.1	23.7
Minimum	16	24.0	17	23.1	18	22.7	17	23.5	12	22.2	16	21.3	14	21.0
													MONROVIA,	
1953-1955	27.8	22.9	27.7	23.5	27.7	23.1	28.2	23.5	28.2	23.4	26.9	19.1	25.2	17.3
Mean	27.8	22.9	27.7	23.5	27.7	23.1	28.2	23.5	28.2	23.4	26.9	19.1	25.2	17.3
Maximum	29	24.7	30	24.9	29	25.2	30	25.6	30	25.6	29	24.3	27	24.8
Mean Max.	28.6	24.3	29.4	24.9	28.6	25.0	29.7	25.0	29.4	25.2	28.6	23.3	26.4	21.8
Mean Min.	26.9	20.7	26.4	20.4	26.4	18.0	26.4	20.8	26.9	18.8	25.6	10.5	24.2	9.4
Minimum	26	20.2	26	19.7	26	15.3	26	19.7	26	18.3	25	10	24	5.9

*Observations for the year are incomplete; extremes are for the months shown.

August		September		October		November		December		Means		Maximum		Minimum	
Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}	Temp. °C	Dens. σ_{15}
de Santa Cruz), BRAZIL															
20.9	25.9	21.4	25.9	21.8	25.8	22.7	25.2	22.8	24.4	22.6	24.5	28	27.0	17	12.2
21.2	25.4	21.5	25.7	21.4	25.7	22.8	25.2	23.4	24.5	22.7	24.8	29	28.5	17	18.9
21.5	25.6	22.0	25.7	21.9	25.7	21.7	25.7	22.6	25.5	22.5	24.9	29	28.3	18	16.5
21.9	25.3	22.8	25.7	22.6	25.3	24.3	24.7	24.4	24.5	23.5	24.0	27	26.4	21	18.4
21.8	24.8	21.9	25.5	21.9	25.6	24.4	21.0	23.0	23.1	23.0	23.4	31	26.5	20	18.1
21.6	25.3	21.6	25.5	21.3	25.4	21.7	25.4	21.8	22.3	23.3	22.5	28	26.4	19	13.4
20.8	25.3	20.0	25.1	19.6	25.4	22.1	25.4	23.1	23.8	22.2	24.1	27	26.6	18	17.5
20.6	25.5	21.5	25.5	21.8	25.4	24.0	23.5	24.3	22.3	23.5	24.2	28	26.6	19	18.7
19.6	25.6	20.6	25.2	21.4	24.7	20.6	24.4	25.1	23.9	22.5	24.7	29	26.3	18	20.9
21.8	24.6	20.0	24.3	20.8	23.9	21.3	24.1	23.2	20.8	23.5	23.4	29	26.0	18	13.4
21.2	25.5	21.5	25.6	21.6	25.5	22.5	24.9	23.1	24.2	22.7	24.4				
24	26.8	24	27.6	24	27.0	26	27.4	31	28.5			31	28.5		
22.5	26.2	22.7	26.3	23.1	26.3	24.0	26.0	25.4	25.7						
19.9	24.7	20.1	24.9	20.1	24.7	20.8	23.8	21.1	22.3						
17	23.3	17	23.7	17	22.0	19	19.1	19	17.9					17	12.2
BRAZIL															
17.2	25.3	17.9	25.5	18.5	25.4	20.2	25.8	20.9	26.3	20.1	25.9	27	27.3	14	22.2
16.8	24.5	17.6	24.5	18.6	25.6	19.9	25.6	20.6	25.8	20.1	25.2	28	27.5	13	21.0
17.3	24.9	17.8	25.1	19.0	25.3	20.1	25.5	20.9	25.8	20.0	25.3	27	27.0	15	22.3
18.4	25.6	17.4	24.3	19.1	25.2	20.4	25.5	21.0	25.9	20.6	25.2	26	26.8	17	22.8
16.7	23.5	16.9	23.9	18.7	24.9	19.7	25.6	20.5	25.6	20.6	24.8	27	27.3	16	22.2
17.9	25.3	18.3	24.7	17.8	25.8	18.8	25.7	20.1	25.9	19.9	25.5	26	26.8	17	23.6
18.7	25.9	18.0	26.0	18.2	26.0	18.6	25.9	18.7	25.7	19.3	25.6	26	27.1	16	23.2
16.9	25.7	17.4	25.5	18.6	25.6	20.8	26.0	20.2	26.6	20.5	25.9	27	27.7	16	24.2
17.4	26.6	18.3	25.8	19.1	26.3	19.2	26.4	21.8	25.4	20.5	26.3	27	27.7	16	24.4
17.4	25.0	17.2	26.6	17.5	26.4	20.0	26.8	20.9	26.9	20.1	25.6	28	28.4	12	21.3
17.3	25.0	17.8	25.1	18.6	25.6	19.9	25.8	20.7	26.0	20.1	25.5				
21	27.3	21	27.0	22	27.0	26	28.1	26	28.4			28	28.4		
18.9	26.3	19.2	26.1	20.3	26.4	22.2	26.5	23.4	26.6						
15.9	23.8	16.5	24.1	17.1	24.4	17.6	25.0	17.6	25.2						
13	22.2	15	21.2	16	22.5	16	23.7	16	23.5					12	21.0
LIBERIA															
24.7	13.7	25.8	8.5	27.0	10.7	27.8	18.2	27.8	20.2	27.1	18.7	30	25.6	24	3.2
24.7	13.7	25.8	8.5	27.0	10.7	27.8	18.2	27.8	20.2	27.1	18.7				
26	22.7	28	17.9	28	17.2	29	23.3	29	24.4			30	25.6		
25.8	20.4	27.4	14.7	27.8	17.1	28.7	22.4	28.9	23.0						
23.9	7.8	24.6	4.7	25.6	6.0	26.7	11.4	26.5	14.4						
23	5.7	24	3.9	25	3.2	26	7.8	26	12.8					24	3.2

Table 2. -Sea Water Temperatures from Recording Thermometers

Max. and Min. Obs. = Maximum and minimum observed (from a continuous trace),

Max. and Min. Day = Maximum and minimum daily mean (from hourly readings),

Mean = Monthly mean (from hourly readings).

Each bulb was in a fixed position below lowest observed low water.

Temperatures are in °C.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
						BAR HARBOR, MAINE						
						1949						
Max. Obs.	4	2	3	7	9	14	17	16	15	13	11	8
Max. Day	4.0	1.2	2.4	5.5	9.0	12.7	15.6	14.6	14.1	12.8	10.7	7.2
Mean	2.2	0.3	0.9	3.8	7.2	10.3	12.9	13.4	13.2	12.3	8.4	4.5
Min. Day	-0.1	-1.0	-0.1	2.3	5.0	7.6	10.5	12.4	12.4	10.9	4.9	1.7
Min. Obs.	-1	-2	-1	2	4	7	9	11	12	--	4	1
						1950-1954						
Max. Obs.	6	3	6	8	12	14	17	17	16	13	11	9
Max. Day	5.0	2.7	4.7	6.8	9.9	13.2	15.6	15.3	14.9	13.0	11.0	8.7
Mean	2.1	0.8	1.4	4.2	7.3	10.3	12.9	13.5	12.9	11.2	8.6	5.3
Min. Day	-1.3	-1.9	-2.2	1.0	4.2	7.8	10.6	12.1	11.1	8.8	5.8	1.2
Min. Obs.	-2	-2	-3	0	4	7	9	11	11	8	4	0
						1955						
Max. Obs.	5	2	3	7	11	13	17	18	14	13	10	6
Max. Day	4.6	1.4	2.4	5.2	10.0	11.9	15.2	15.4	13.2	12.0	10.0	5.4
Mean	1.5	0.2	1.3	4.2	7.4	10.3	12.9	13.8	12.3	10.8	7.8	--
Min. Day	-1.1	-1.7	-0.2	2.8	5.5	9.0	10.9	11.5	11.2	9.1	4.8	--
Min. Obs.	-2	-2	-1	2	5	8	9	11	11	8	4	-2
						1958-1959						
Max. Obs.	6	4	5	9	12	13	16	16	17	13	10	7
Max. Day	6.0	3.2	4.4	8.2	9.9	11.9	14.9	14.9	15.3	12.3	9.8	6.9
Mean	1.7	0.3	1.6	4.4	7.7	10.1	12.8	13.6	12.9	10.6	8.0	3.6
Min. Day	-1.1	-1.6	-1.0	1.4	5.2	8.3	10.9	12.2	10.8	8.6	5.5	-0.6
Min. Obs.	-2	-2	-2	1	5	7	9	11	10	8	3	-1
						1960-1964						
Max. Obs.	4	2	4	7	12	14	17	17	16	14	11	8
Max. Day	3.8	1.9	3.3	5.9	10.6	12.8	15.8	16.1	14.5	13.1	10.6	7.6
Mean	1.5	0.3	1.2	3.7	6.9	9.3	11.6	12.9	12.7	11.1	8.6	4.5
Min. Day	-1.2	-1.1	-0.6	0.8	4.2	5.8	8.6	11.2	11.4	8.8	6.2	0.1
Min. Obs.	-2	-2	-1	0	4	5	7	8	11	8	5	-2
						1965						
Max. Obs.	5	3	4	8	12	14	16	16	14	12	9	7
Max. Day	4.2	2.3	3.6	6.6	10.1	13.1	13.6	14.2	12.8	10.8	8.8	6.7
Mean	2.6	1.8	2.8	5.1	8.1	10.7	12.2	12.6	11.6	9.8	7.4	4.9
Min. Day	1.6	1.4	1.7	3.3	6.6	9.4	9.1	11.2	10.7	8.4	6.3	2.8
Min. Obs.	1	1	1	3	6	8	8	11	10	8	6	2
						1966						
Max. Obs.	5	3	5	8	11	14	16	15	14	11	10	9
Max. Day	4.6	2.8	4.1	6.3	9.4	11.9	13.3	13.9	13.5	10.7	9.4	8.3
Mean	2.6	1.9	3.1	5.1	7.2	10.4	12.1	12.5	11.8	10.0	8.5	5.8
Min. Day	1.3	1.0	2.1	3.9	5.9	9.1	9.7	11.1	10.7	8.3	7.3	3.3
Min. Obs.	1	1	2	3	5	8	9	10	10	8	7	2

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
BAR HARBOR, MAINE-continued												
1967												
Max. Obs.	5	3	4	6	9	12	14	15	15	13	10	7
Max. Day	4.5	2.7	2.6	5.0	8.1	10.9	12.3	13.5	13.7	11.6	10.0	6.4
Mean	3.4	1.6	1.7	3.7	6.4	9.7	11.1	12.3	11.1	10.3	8.1	4.9
Min. Day	1.6	0.8	0.9	2.7	5.1	7.8	10.1	11.4	10.0	9.3	5.6	3.3
Min. Obs.	1	1	1	2	4	7	9	10	9	9	5	2
1968												
Max. Obs.	4	3	4	8	11	13	17	16	15	13	11	8
Max. Day	3.3	2.3	3.3	6.8	9.4	10.8	14.6	13.8	13.3	12.3	10.3	7.6
Mean	1.6	1.2	1.8	5.0	8.0	9.9	12.1	12.4	12.6	11.4	8.3	5.2
Min. Day	1.0	1.0	0.8	3.1	6.8	8.6	9.6	10.8	11.9	10.3	6.5	1.7
Min. Obs.	0	1	1	3	6	8	9	10	12	10	6	1
1969												
Max. Obs.	4	3	4	8	13	16	16	16	14	13	11	8
Max. Day	3.7	2.8	3.8	6.7	10.4	13.1	14.5	14.7	13.8	12.0	10.4	7.4
Mean	2.8	2.0	2.7	5.2	7.9	11.1	12.5	13.6	12.8	10.9	9.2	5.9
Min. Day	1.5	1.0	1.1	3.6	6.3	8.5	10.8	12.1	11.8	9.2	6.8	4.2
Min. Obs.	1	1	1	3	6	8	9	11	12	8	7	3
1970												
Max. Obs.	5	4	4	8	12	14	16	17	13	13	11	8
Max. Day	3.9	3.4	3.8	7.2	10.3	12.4	14.0	15.4	12.8	12.3	10.4	--
Mean	2.5	2.4	2.8	5.2	8.4	10.8	12.4	14.0	12.2	11.4	9.3	--
Min. Day	0.9	1.2	1.8	3.7	6.7	9.4	10.4	12.6	11.3	10.2	7.4	--
Min. Obs.	1	1	1	3	6	8	9	12	11	10	7	1
1971												
Max. Obs.	4	2	4	7	11	14	15	17	15	13	12	7
Max. Day	3.5	1.8	3.9	6.3	9.3	12.9	14.2	15.0	14.0	12.5	11.7	6.7
Mean	1.7	1.2	2.6	4.8	7.9	10.8	12.8	13.2	11.8	11.9	9.2	5.2
Min. Day	1.0	1.0	1.6	3.5	6.2	8.9	10.5	11.9	12.1	11.1	7.2	2.3
Min. Obs.	1	1	1	3	6	8	9	11	12	11	7	2
BOSTON, MASS.												
1952-1954												
Max. Obs.	6	6	8	12	16	21	23	22	22	17	13	10
Max. Day	5.3	4.8	7.1	10.6	14.8	18.6	21.1	20.3	20.6	15.8	12.9	10.0
Mean	3.0	3.1	4.2	7.7	11.6	15.4	18.1	18.4	17.1	13.6	9.6	6.2
Min. Day	1.3	1.5	2.7	4.8	8.0	12.3	15.2	16.1	14.7	9.8	7.3	3.3
Min. Obs.	1	1	2	4	7	12	14	15	14	9	7	3
1955-1959												
Max. Obs.	7	7	8	13	17	21	22	24	23	19	13	9
Max. Day	6.9	4.9	6.6	10.6	15.0	19.1	20.7	22.4	21.3	18.1	13.0	8.4
Mean	2.7	2.4	4.0	7.3	11.4	15.3	17.3	19.0	16.8	13.7	10.2	5.4
Min. Day	0.4	0.5	1.4	3.4	7.9	10.7	15.3	15.0	13.6	11.1	6.4	1.4
Min. Obs.	0	0	1	3	7	9	14	14	13	11	6	1
1960-1964												
Max. Obs.	5	5	8	12	17	18	22	22	21	17	13	9
Max. Day	4.1	3.7	6.6	10.0	15.7	16.9	20.8	20.4	20.2	16.6	12.3	8.8
Mean	2.4	1.7	3.2	6.7	11.4	14.2	16.9	17.4	17.3	13.9	10.2	5.0
Min. Day	-0.3	-1.0	0.6	4.7	8.1	10.8	13.3	15.1	14.4	10.8	7.2	1.4
Min. Obs.	-1	-1	0	4	7	10	12	14	14	10	7	1
1965												
Max. Obs.	6	3	6	10	17	19	18	19	20	16	12	8
Max. Day	5.1	2.8	4.7	8.8	15.9	18.2	16.9	18.3	18.5	15.1	11.1	7.4
Mean	2.8	1.9	3.7	6.7	12.6	16.5	15.9	16.9	16.7	12.9	8.9	5.8
Min. Day	1.0	1.1	1.8	4.2	8.9	14.9	15.0	15.4	15.0	11.0	7.4	4.4
Min. Obs.	1	1	1	4	8	14	14	15	14	11	7	4
1966												
Max. Obs.	6	4	7	11	14	19	21	22	21	16	13	10
Max. Day	5.1	3.7	6.6	10.2	12.4	17.8	19.6	19.6	20.3	14.8	12.1	9.3
Mean	3.2	2.5	4.8	8.0	11.0	15.2	17.5	16.9	18.8	12.8	10.2	6.7
Min. Day	1.1	1.2	2.6	5.7	9.6	12.2	15.4	15.8	14.9	11.2	8.8	3.9
Min. Obs.	1	1	2	5	9	11	14	15	14	11	8	3

Table 2. -Sea Water Temperatures from Recording Thermometers

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
BOSTON, MASS.-continued												
1967												
Max. Obs.	7	6	6	9	13	19	21	19	19	17	13	7
Max. Day	6.0	4.7	4.9	7.6	11.3	17.0	19.2	18.6	18.4	16.1	11.2	6.2
Mean	4.8	3.2	3.3	6.5	9.7	13.8	17.4	17.4	17.0	13.3	8.8	5.4
Min. Day	3.8	2.1	2.3	5.0	8.4	11.4	16.1	15.6	15.4	11.0	6.5	4.4
Min. Obs.	3	2	2	4	7	11	16	15	15	11	6	4
1968												
Max. Obs.	4	4	7	12	16	20	21	20	21	19	13	9
Max. Day	4.3	3.5	5.4	11.2	15.4	17.8	18.9	18.9	19.6	18.4	13.0	9.0
Mean	2.3	2.2	3.6	--	--	16.7	17.9	17.9	19.1	15.8	10.6	6.0
Min. Day	1.0	1.1	2.0	5.9	10.7	15.3	16.7	16.7	18.1	13.5	8.8	3.3
Min. Obs.	1	1	2	5	10	14	16	16	18	13	8	3
1969												
Max. Obs.	6	5	7	14	15	22	23	22	22	19	14	9
Max. Day	4.8	4.3	6.1	11.8	13.6	19.3	21.7	20.8	20.9	18.8	13.1	9.0
Mean	3.7	3.3	4.2	8.4	12.2	16.7	20.2	19.2	19.7	16.9	11.6	6.9
Min. Day	3.0	2.7	2.8	5.8	10.7	14.2	18.5	17.7	18.5	12.2	9.5	4.4
Min. Obs.	3	2	2	5	9	13	17	17	18	12	9	4
1970												
Max. Obs.	5	5	8	13	17	18	21	24	20	18	14	11
Max. Day	4.5	4.0	6.8	11.8	16.3	16.2	19.0	23.1	19.1	17.7	13.6	10.2
Mean	2.8	3.6	5.1	8.4	13.1	15.1	17.4	20.4	17.8	15.8	12.2	6.6
Min. Day	1.4	2.4	3.9	6.5	10.3	13.9	15.7	17.7	17.0	13.6	10.3	4.0
Min. Obs.	1	2	3	6	9	13	15	17	17	13	10	4
1971												
Max. Obs.	4	5	7	11	16	20	20	22	22	21	17	9
Max. Day	3.8	4.3	5.8	9.2	14.8	18.6	17.9	20.4	21.1	20.1	16.4	8.4
Mean	2.6	2.4	4.8	7.9	12.1	16.8	16.8	18.9	20.3	16.9	11.9	7.2
Min. Day	1.2	1.0	3.9	5.8	9.6	14.7	16.1	17.7	19.4	15.2	8.5	5.7
Min. Obs.	1	1	3	5	9	14	15	17	18	14	8	5
NEW YORK (The Battery), NEW YORK												
1948-1949												
Max. Obs.	6	6	8	12	18	24	26	26	24	21	16	11
Max. Day	5.7	5.0	7.7	11.6	16.7	23.2	25.6	25.7	24.0	20.5	15.3	10.7
Mean	2.7	2.2	3.6	8.7	14.1	19.1	22.8	23.4	21.4	17.1	12.7	7.1
Min. Day	-0.9	-1.0	0.8	5.7	10.9	15.7	20.1	20.9	17.8	13.6	8.1	4.1
Min. Obs.	-1	-1	0	5	10	15	19	20	17	13	8	3
1950-1954												
Max. Obs.	7	6	7	12	18	22	26	26	26	21	17	11
Max. Day	6.5	5.1	6.8	11.9	16.9	21.4	24.9	24.9	25.6	20.7	16.3	10.6
Mean	3.8	2.8	4.1	8.2	13.2	18.3	22.3	23.1	21.7	17.4	11.7	7.1
Min. Day	1.1	0.3	0.5	4.1	8.3	14.3	19.6	21.0	18.1	12.1	8.1	2.9
Min. Obs.	1	-1	-1	4	8	14	19	21	18	12	8	2
1955-1959												
Max. Obs.	7	5	7	13	18	23	25	27	26	23	16	10
Max. Day	6.5	4.3	6.3	12.4	17.6	22.1	24.7	26.6	25.0	22.4	15.7	9.2
Mean	1.9	2.0	3.7	7.3	13.2	18.3	21.9	23.6	22.0	17.2	11.7	5.9
Min. Day	-0.8	-0.3	1.7	3.7	9.1	14.1	18.4	21.7	17.3	13.1	7.2	1.8
Min. Obs.	-1	-1	1	3	8	13	18	21	17	13	7	1
1960-1964												
Max. Obs.	5	4	6	11	18	21	24	25	25	21	16	12
Max. Day	5.0	3.8	5.9	10.9	17.3	20.8	23.8	24.4	24.4	21.0	15.2	11.2
Mean	2.6	1.5	2.9	7.0	12.9	17.9	21.4	22.6	21.4	17.2	12.1	6.4
Min. Day	-1.1	-1.4	0.2	4.3	8.8	13.3	19.1	21.1	17.8	13.1	8.5	1.6
Min. Obs.	-2	-2	0	4	8	13	19	21	17	13	8	1
1965												
Max. Obs.	6	3	--	--	17	20	--	24	--	20	13	9
Max. Day	6.0	2.2	--	--	16.8	19.8	--	23.4	--	19.5	12.5	8.1
Mean	4.2	1.1	--	--	13.3	17.2	--	22.7	--	15.8	9.8	6.9
Min. Day	2.2	0.2	--	--	9.4	15.7	--	21.6	--	13.3	8.3	5.2
Min. Obs.	2	0	--	--	9	15	--	21	--	13	8	5

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
NEW YORK (The Battery), NEW YORK-continued												
1966												
Max. Obs.	6	3	6	10	18	20	--	24	24	19	15	11
Max. Day	5.6	2.2	5.6	9.4	17.2	20.0	--	23.9	23.9	18.3	14.4	11.0
Mean	3.8	1.1	4.0	7.2	13.3	17.3	--	22.9	22.1	16.3	12.6	8.0
Min. Day	0.4	-0.6	2.2	4.9	9.5	15.0	--	22.2	18.6	14.4	11.1	5.0
Min. Obs.	0	-1	2	4	9	15	--	22	18	14	11	5
1967												
Max. Obs.	7	6	6	9	13	21	24	24	22	19	15	9
Max. Day	6.6	5.1	5.4	8.8	12.8	20.6	23.7	23.7	21.9	19.0	14.9	8.9
Mean	5.5	3.9	4.1	7.3	11.1	17.6	21.9	23.0	20.9	17.4	11.8	7.4
Min. Day	5.0	3.0	3.0	6.0	9.1	13.2	21.0	22.3	19.6	14.4	9.0	7.0
Min. Obs.	5	3	3	6	9	13	21	22	19	14	9	7
1968												
Max. Obs.	7	4	6	12	16	19	22	24	23	22	16	11
Max. Day	6.7	3.9	5.9	11.7	14.9	19.0	22.0	23.9	22.8	22.0	15.2	10.6
Mean	3.8	2.8	3.9	8.8	13.2	17.7	20.9	22.8	22.4	18.9	12.4	7.5
Min. Day	3.0	2.0	2.2	6.1	12.0	16.0	19.4	22.0	22.0	16.0	11.0	4.7
Min. Obs.	3	2	2	6	12	16	19	22	22	16	11	4
1969												
Max. Obs.	5	4	6	11	14	21	23	24	23	21	15	11
Max. Day	5.0	3.9	5.6	10.6	14.0	19.8	22.8	23.9	23.0	20.6	15.0	11.0
Mean	3.9	3.3	4.4	8.1	12.7	18.1	21.7	23.2	22.3	19.0	13.3	8.4
Min. Day	3.3	3.0	3.3	6.0	11.0	14.4	21.0	23.0	21.1	15.1	11.1	6.0
Min. Obs.	3	3	3	6	11	14	21	23	21	15	10	6
1970												
Max. Obs.	6	4	6	11	16	18	22	23	23	22	17	12
Max. Day	5.6	4.0	6.0	10.6	15.6	18.0	21.4	23.0	23.0	22.0	17.0	12.0
Mean	3.9	3.8	5.1	7.5	12.9	17.4	19.9	22.7	22.1	19.7	14.8	9.8
Min. Day	3.0	3.3	4.0	6.1	11.0	16.0	18.3	22.0	22.0	17.2	12.8	7.0
Min. Obs.	3	3	4	6	11	16	18	22	22	17	12	7
1971												
Max. Obs.	7	4	6	9	13	19	21	22	23	22	19	12
Max. Day	6.7	4.0	5.6	8.9	13.0	19.0	21.0	22.0	22.8	21.7	18.9	11.7
Mean	5.3	3.3	4.9	7.4	10.7	16.0	20.2	22.1	--	19.9	15.6	9.9
Min. Day	4.0	3.0	4.0	6.0	9.0	13.3	19.4	21.1	22.0	19.0	12.0	9.0
Min. Obs.	4	3	4	6	9	13	19	21	22	19	12	9
ATLANTIC CITY, N.J.												
1946-1949												
Max. Obs.	7	7	9	13	19	24	27	26	17	21	18	11
Max. Day	6.8	6.2	7.6	11.9	17.4	23.3	24.8	24.9	25.7	19.7	17.8	10.7
Mean	3.4	2.4	4.3	8.6	12.9	17.4	19.4	21.9	20.6	16.4	11.7	5.9
Min. Day	-1.1	-1.0	1.0	6.0	9.0	13.6	13.9	14.4	17.8	12.4	6.2	2.0
Min. Obs.	-2	-2	1	5	9	12	12	12	17	12	6	1
1950-1954												
Max. Obs.	7	6	9	14	18	24	27	27	26	22	17	11
Max. Day	7.0	5.8	8.7	13.1	16.8	22.8	25.9	26.1	24.9	21.2	16.3	10.4
Mean	4.2	3.8	5.0	8.8	13.1	17.1	21.2	22.4	21.3	16.8	11.1	6.1
Min. Day	1.1	-0.3	0.8	5.0	8.9	12.4	14.3	16.3	15.7	11.4	6.0	0.0
Min. Obs.	-1	-2	-1	4	8	11	13	14	15	11	5	-1
1955-1959												
Max. Obs.	7	6	8	16	18	24	24	26	25	21	16	9
Max. Day	6.4	4.9	6.8	14.1	16.7	21.1	23.3	25.1	24.2	20.5	15.6	9.0
Mean	2.3	2.1	4.3	7.8	12.4	16.8	18.7	21.3	19.8	16.1	11.1	4.9
Min. Day	-0.8	-1.7	0.9	4.3	8.6	11.2	9.8	15.1	15.5	12.3	6.2	0.5
Min. Obs.	-2	-2	0	4	8	10	9	13	14	12	6	-1
1960-1964												
Max. Obs.	5	4	8	12	18	22	25	26	26	21	15	10
Max. Day	4.8	4.0	7.3	11.4	17.6	20.7	24.2	25.1	25.7	20.5	14.4	9.7
Mean	2.2	1.8	2.0	8.4	12.8	16.5	19.4	21.6	20.4	16.4	11.0	5.0
Min. Day	-0.9	-0.6	-0.1	5.2	8.6	11.4	13.6	17.1	16.0	12.2	7.8	-0.2
Min. Obs.	-1	-1	-1	5	8	11	12	14	15	11	7	-1

Table 2. -Sea Water Temperatures from Recording Thermometers

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
ATLANTIC CITY, N.J.-continued												
1965												
Max. Obs.	6	3	6	11	16	21	22	24	22	19	13	8
Max. Day	5.1	2.7	5.2	9.9	15.4	20.0	21.2	22.7	21.6	18.5	12.3	7.8
Mean	2.7	1.7	4.2	7.2	12.5	15.4	18.8	19.6	20.0	15.5	10.1	6.2
Min. Day	0.2	0.0	2.5	4.7	9.7	12.1	16.2	15.2	18.3	12.1	7.8	4.2
Min. Obs.	-2	0	2	4	8	11	14	14	18	11	7	4
1966												
Max. Obs.	6	3	7	11	17	20	25	24	23	18	14	9
Max. Day	5.8	2.3	6.7	10.2	16.1	19.1	23.1	23.6	22.7	17.3	13.6	8.8
Mean	--	0.8	4.4	7.7	12.1	15.0	18.8	19.5	20.2	15.6	11.2	5.7
Min. Day	--	-1.3	2.3	6.1	8.1	12.2	13.6	15.9	16.7	12.9	8.6	2.4
Min. Obs.	--	-2	2	6	7	11	13	14	16	12	8	2
1967												
Max. Obs.	5	4	7	9	13	19	23	22	21	--	--	7
Max. Day	4.6	3.9	5.7	8.9	12.0	18.6	21.6	21.3	20.7	--	--	6.0
Mean	3.6	2.2	3.1	6.9	10.0	14.3	18.9	18.3	18.4	--	--	4.7
Min. Day	2.7	0.4	1.0	4.5	8.3	10.6	16.0	13.9	16.7	--	--	3.0
Min. Obs.	2	0	1	4	8	10	15	12	16	--	--	2
1968												
Max. Obs.	3	3	7	13	16	22	26	25	24	22	16	9
Max. Day	2.8	2.7	5.7	12.1	15.5	20.9	24.3	24.3	24.0	21.7	15.1	9.0
Mean	0.7	0.5	2.6	9.5	13.7	17.3	21.3	20.9	22.9	18.4	11.4	4.5
Min. Day	-1.7	-1.2	-0.4	6.7	11.3	14.8	18.4	16.7	21.2	13.9	8.6	1.5
Min. Obs.	-2	-2	-1	6	9	13	16	15	21	13	8	1
1969												
Max. Obs.	3	3	6	12	18	24	25	25	24	20	15	9
Max. Day	2.7	2.3	5.7	10.9	16.8	22.9	24.8	23.9	23.9	19.6	15.0	8.4
Mean	1.3	1.6	3.2	8.8	13.1	18.2	22.8	21.5	21.1	17.0	11.2	--
Min. Day	-0.1	0.6	1.3	5.9	11.2	16.2	21.2	17.1	18.3	12.3	8.5	--
Min. Obs.	-1	0	1	5	9	14	18	16	17	12	8	--
1971												
Max. Obs.	--	--	--	--	--	22	--	--	--	--	17	9
Max. Day	--	--	--	--	--	20.7	--	--	--	--	16.8	9.0
Mean	--	--	--	--	--	--	--	--	--	--	11.3	7.5
Min. Day	--	--	--	--	--	12.2	--	--	--	--	7.3	6.0
Min. Obs.	--	--	--	--	--	11	--	--	--	--	7	6
WASHINGTON, D.C.												
1947-1949												
Max. Obs.	9	11	17	19	26	31	32	32	29	24	19	10
Max. Day	8.3	10.3	15.9	18.4	25.1	30.0	31.3	31.1	28.9	23.7	18.4	9.7
Mean	4.7	5.0	8.3	14.8	20.3	25.2	28.1	28.0	25.0	18.9	12.5	6.3
Min. Day	1.8	2.8	1.9	8.7	15.6	21.1	25.4	24.4	19.4	12.3	7.2	3.4
Min. Obs.	1	1	1	8	15	21	25	24	19	12	7	2
1950-1954												
Max. Obs.	11	10	13	22	24	31	33	31	32	27	19	11
Max. Day	10.3	9.7	12.9	21.2	23.9	30.1	32.3	30.8	31.2	25.8	18.1	10.1
Mean	4.9	5.7	8.2	14.1	19.7	25.2	28.8	27.8	24.7	18.8	11.2	5.6
Min. Day	2.2	2.0	3.4	8.9	14.2	19.1	26.4	25.3	17.2	13.1	5.8	2.2
Min. Obs.	2	2	3	8	14	19	26	25	17	13	5	1
1955-1959												
Max. Obs.	6	8	12	23	27	31	33	32	32	25	17	8
Max. Day	6.0	7.2	11.6	22.2	26.6	30.1	32.3	31.8	21.1	24.4	16.7	7.9
Mean	2.7	4.8	7.8	13.4	20.6	24.8	28.2	27.1	24.7	18.1	11.2	4.8
Min. Day	1.0	1.0	2.3	7.1	14.1	20.1	24.6	23.8	18.3	12.6	5.8	2.0
Min. Obs.	1	1	2	7	13	20	24	23	18	12	5	2
1960-1964												
Max. Obs.	4	7	15	22	27	32	32	32	30	23	17	11
Max. Day	4.0	6.7	14.1	21.6	26.8	30.4	31.4	31.2	29.9	22.7	16.7	10.1
Mean	2.3	2.9	6.7	13.6	19.6	25.4	28.1	27.4	24.8	18.5	11.8	4.3
Min. Day	0.0	0.5	1.1	9.0	14.0	19.2	25.3	25.4	19.1	13.0	6.6	0.0
Min. Obs.	0	0	1	9	14	19	25	25	19	13	6	0

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
WASHINGTON, D.C.-continued												
1965												
Max. Obs.	7	7	10	17	28	29	31	31	29	24	15	9
Max. Day	6.9	6.6	9.2	15.8	27.3	28.9	30.2	30.7	29.0	24.0	14.4	8.3
Mean	4.0	4.1	7.1	13.1	22.9	26.6	28.7	28.9	26.2	18.5	11.8	6.8
Min. Day	2.2	1.7	4.7	9.3	16.2	23.7	27.0	25.7	24.4	14.6	9.0	5.6
Min. Obs.	2	1	4	9	16	23	27	25	24	14	9	5
1966												
Max. Obs.	7	5	13	18	26	31	33	31	30	19	15	9
Max. Day	6.4	4.4	--	17.3	25.3	30.7	32.5	30.9	29.4	18.4	14.3	5.8
Mean	3.4	2.8	--	12.4	19.6	26.8	30.7	28.8	23.6	16.3	12.4	5.7
Min. Day	1.0	1.1	4.9	10.0	14.2	23.2	28.4	27.3	18.0	14.0	9.8	5.6
Min. Obs.	1	1	4	10	14	23	28	27	18	14	9	2
1967												
Max. Obs.	7	7	12	19	21	31	31	31	26	22	14	8
Max. Day	6.7	6.3	11.4	17.6	20.3	30.4	30.9	30.8	25.6	21.9	13.9	7.3
Mean	3.8	4.1	6.7	15.4	17.0	27.1	28.8	27.7	23.6	18.6	9.8	5.6
Min. Day	2.2	2.0	2.0	12.0	15.0	20.4	27.0	23.3	22.0	13.4	6.4	3.5
Min. Obs.	2	2	2	12	15	20	27	23	22	13	6	3
1968												
Max. Obs.	3	6	16	19	21	29	32	33	27	25	15	11
Max. Day	3.0	5.6	14.7	18.9	20.6	28.7	31.2	31.9	27.0	24.2	14.6	9.8
Mean	2.2	3.4	8.0	16.0	18.8	24.2	29.3	30.0	24.9	19.7	11.1	4.2
Min. Day	1.4	2.0	3.4	13.5	16.4	17.0	27.4	26.0	23.1	14.3	8.7	1.1
Min. Obs.	1	2	3	13	16	17	27	26	23	14	8	1
1969												
Max. Obs.	3	5	11	19	27	32	31	29	29	23	15	7
Max. Day	3.0	4.6	11.0	19.0	25.8	30.6	30.9	29.0	29.0	22.4	14.7	7.0
Mean	1.9	3.0	7.0	15.6	22.1	27.4	29.2	27.4	25.4	19.2	10.7	3.9
Min. Day	1.1	2.1	4.3	9.7	18.6	26.0	27.7	25.6	22.0	13.8	7.3	1.6
Min. Obs.	1	2	4	9	18	26	27	25	22	13	7	1
1970												
Max. Obs.	3	5	9	19	27	28	32	31	30	24	16	9
Max. Day	2.5	5.0	8.9	18.2	26.1	27.8	30.7	31.0	29.7	23.6	16.0	8.3
Mean	1.7	3.2	6.5	12.0	22.8	26.7	27.6	29.3	27.5	20.1	11.9	5.6
Min. Day	1.0	2.0	4.3	8.3	18.9	25.3	24.7	28.0	24.6	16.4	6.2	3.0
Min. Obs.	1	2	4	8	18	25	24	28	24	16	6	3
1971												
Max. Obs.	3	8	9	17	22	30	30	29	29	23	20	10
Max. Day	2.3	7.3	8.7	16.5	21.4	29.6	30.0	29.0	28.9	22.5	19.9	9.8
Mean	1.6	3.0	7.3	13.4	18.3	25.0	28.9	27.5	25.2	19.3	12.1	6.7
Min. Day	1.0	1.0	6.0	8.4	14.7	19.0	28.1	24.9	21.6	18.0	6.0	4.4
Min. Obs.	1	1	6	8	14	19	28	24	21	18	6	4
VIRGINIA BEACH, VA.												
1960												
Max. Obs.	--	8	8	18	23	27	28	28	--	--	--	--
Max. Day	--	7.3	6.3	15.6	21.2	25.4	26.9	27.3	--	--	--	--
Mean	--	5.9	4.0	11.4	17.6	22.8	23.7	25.6	--	--	--	--
Min. Day	--	4.9	2.2	7.1	12.2	19.4	21.1	23.7	--	--	--	--
Min. Obs.	--	4	2	6	11	17	19	22	--	--	--	--
1961												
Max. Obs.	--	--	--	--	19	--	--	26	28	22	18	12
Max. Day	--	--	--	--	18.2	--	--	24.9	26.9	21.3	17.8	11.6
Mean	--	--	--	--	15.3	--	--	23.6	23.1	18.7	14.5	8.7
Min. Day	--	--	--	--	11.4	--	--	21.7	19.6	15.4	9.4	5.8
Min. Obs.	--	--	--	--	11	--	--	19	19	15	8	5
1962												
Max. Obs.	8	9	--	--	--	--	--	--	--	--	--	--
Max. Day	7.8	6.4	--	--	--	--	--	--	--	--	--	--
Mean	5.6	4.6	--	--	--	--	--	--	--	--	--	--
Min. Day	3.6	3.3	--	--	--	--	--	--	--	--	--	--
Min. Obs.	3	3	--	--	--	--	--	--	--	--	--	--

Table 2. –Sea Water Temperatures from Recording Thermometers

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
DAYTONA BEACH (ocean), FLA.												
1948-1950												
Max. Obs.	22	23	21	24	27	29	29	29	29	27	25	22
Max. Day	21.3	22.0	20.8	23.3	26.3	27.4	28.3	28.8	28.1	2[illegible].1	24.3	21.9
Mean	17.6	17.7	18.7	21.2	24.4	26.1	24.4	24.9	26.1	24.4	21.7	19.1
Min. Day	12.7	11.3	16.4	16.7	22.2	23.7	16.4	19.2	22.4	20.8	17.3	1[illegible].0
Min. Obs.	12	11	15	16	21	23	16	18	22	20	17	16
PATRICK AIR FORCE BASE (Cape Kennedy), FLA.												
1960-1962												
Max. Obs.	21	23	24	26	29	31	31	31	32	30	2[illegible]	25
Max. Day	19.6	22.4	23.1	24.6	27.6	29.5	29.4	29.8	30.7	28.9	25.6	24.1
Mean	17.0	18.4	18.4	21.6	24.9	24.9	26.2	27.5	28.6	26.2	23.5	19.2
Min. Day	13.6	14.9	14.2	17.6	22.6	22.6	21.9	23.1	26.0	22.8	21.0	13.4
Min. Obs.	12	14	13	16	22	22	21	22	26	21	21	12
CANOVA BEACH, FLA.												
1950-1952												
Max. Obs.	21	21	24	27	27	30	31	32	30	29	27	21
Max. Day	20.3	20.3	22.9	25.7	26.1	28.7	29.3	30.3	29.2	27.8	26.1	20.3
Mean	18.8	17.8	20.4	21.9	24.4	26.1	26.2	26.2	27.0	25.6	22.1	17.9
Min. Day	16.0	14.9	17.3	19.6	21.6	21.2	18.1	17.4	22.6	20.5	18.2	15.4
Min. Obs.	15	14	17	18	21	19	17	16	22	19	17	15
MIAMI BEACH, FLA.												
1955-1959												
Max. Obs.	24	26	27	28	31	32	33	34	32	31	28	2[illegible]
Max. Day	23.6	24.8	25.4	26.3	28.7	30.6	31.2	31.7	30.6	29.6	27.2	24.7
Mean	20.7	23.1	22.4	24.4	26.8	28.4	29.4	29.6	28.6	26.8	24.7	22.5
Min. Day	17.5	16.3	19.7	20.7	23.7	26.0	27.0	27.2	26.3	23.9	20.4	19.7
Min. Obs.	16	15	19	20	22	26	27	27	26	23	19	18
1960-1964												
Max. Obs.	25	26	27	28	29	31	32	31	31	29	27	25
Max. Day	24.3	24.2	25.4	26.1	27.9	29.0	30.0	29.7	29.5	28.4	27.0	24.2
Mean	21.7	21.5	22.9	24.0	25.8	27.2	28.6	28.7	27.9	25.9	23.8	22.0
Min. Day	18.6	18.8	19.6	21.1	23.1	25.4	27.2	26.8	26.2	22.7	20.3	18.2
Min. Obs.	17	18	18	21	22	24	26	26	26	22	20	17
1965												
Max. Obs.	24	26	27	28	29	30	32	31	30	29	--	27
Max. Day	23.1	24.0	25.2	26.1	27.6	28.7	29.4	29.4	28.8	27.6	--	--
Mean	21.6	22.3	22.7	25.4	25.6	27.2	28.4	28.8	27.1	26.3	--	--
Min. Day	19.4	20.6	20.1	24.1	24.2	26.4	27.7	28.1	25.7	23.9	--	--
Min. Obs.	18	20	19	23	23	26	27	27	25	23	--	20
1966												
Max. Obs.	24	25	25	27	30	31	32	32	32	31	27	24
Max. Day	23.2	23.5	24.2	24.8	28.1	28.8	30.8	30.4	30.7	30.1	26.3	23.2
Mean	20.7	20.8	22.1	23.5	26.6	27.1	28.9	29.8	29.7	27.2	23.3	21.1
Min. Day	16.6	16.9	20.0	21.9	24.8	24.8	26.1	29.3	29.0	25.0	21.8	19.6
Min. Obs.	15	16	19	21	24	24	26	28	28	24	20	18
1967												
Max. Obs.	24	24	27	29	30	31	33	32	32	29	27	26
Max. Day	23.3	23.1	25.4	26.7	29.2	29.2	30.7	30.4	30.4	27.9	26.1	25.2
Mean	22.0	21.5	22.8	24.4	26.6	27.8	29.4	29.5	29.2	26.6	24.0	23.3
Min. Day	20.3	17.8	20.7	21.1	24.1	26.0	28.4	28.5	27.4	25.4	21.4	20.7
Min. Obs.	20	17	19	21	23	26	28	27	27	25	21	20
1968												
Max. Obs.	24	24	24	28	29	31	32	33	33	31	27	26
Max. Day	23.3	21.9	22.9	26.7	27.8	29.7	30.6	31.1	30.9	29.2	25.6	24.0
Mean	21.5	20.3	20.8	24.8	26.4	26.9	29.2	29.9	29.1	26.6	22.8	21.1
Min. Day	18.8	18.2	17.8	22.8	24.2	25.4	27.3	28.8	27.3	23.6	19.8	18.6
Min. Obs.	18	17	17	22	24	24	27	28	27	22	19	17

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
MIAMI BEACH, FLA.-continued												
1969												
Max. Obs.	23	24	24	29	30	32	--	--	--	--	--	--
Max. Day	22.2	22.3	23.1	26.5	28.9	30.6	--	--	--	--	--	--
Mean	20.9	20.7	20.3	24.7	26.7	28.6	--	--	--	--	--	--
Min. Day	19.3	18.1	17.2	21.4	25.1	27.1	--	--	--	--	--	--
Min. Obs.	19	17	17	21	24	26	--	--	--	--	--	--
GALVESTON (Gulf Coast), TEX.												
1959												
Max. Obs.	--	--	--	--	29	31	32	32	31	29	24	15
Max. Day	--	--	--	--	28.2	29.8	30.8	31.1	29.2	28.0	23.4	14.8
Mean	--	--	--	--	--	28.2	29.0	29.0	27.7	24.5	16.3	13.3
Min. Day	--	--	--	--	--	26.6	25.8	26.2	25.5	20.3	10.4	10.7
Min. Obs.	--	--	--	--	24	26	25	26	24	20	7	7
1960-1964												
Max. Obs.	17	20	23	27	30	33	33	33	33	31	24	19
Max. Day	16.0	19.3	22.4	25.9	29.2	31.3	31.7	31.9	32.3	28.9	23.6	18.0
Mean	10.8	12.4	15.8	21.2	25.2	28.3	29.5	29.7	28.3	24.9	18.9	13.7
Min. Day	5.3	7.8	8.8	15.6	20.7	25.0	25.8	26.6	22.9	20.0	14.2	5.2
Min. Obs.	3	7	8	14	20	24	25	26	22	18	13	4
PORT MANSFIELD, TEX.												
1963-1964												
Max. Obs.	21	21	24	29	30	32	32	32	32	28	27	23
Max. Day	18.8	18.6	21.5	27.8	29.1	31.3	31.0	31.3	31.6	27.2	25.6	22.4
Mean	14.1	15.7	19.4	24.4	27.1	28.8	29.6	29.8	29.3	25.0	21.7	13.6
Min. Day	8.0	12.5	14.7	21.1	24.3	25.3	26.9	28.8	26.1	20.6	13.9	7.7
Min. Obs.	8	12	14	20	24	24	26	28	26	20	13	7
1965												
Max. Obs.	23	22	24	28	30	31	32	32	31	28	26	22
Max. Day	22.8	20.4	23.3	27.3	38.9	30.4	30.7	30.5	30.6	27.2	25.6	21.9
Mean	17.9	16.6	18.5	24.8	26.5	28.8	29.7	29.4	28.7	23.9	23.9	18.8
Min. Day	13.7	13.7	12.2	21.2	22.7	27.4	29.1	27.8	24.4	19.3	20.5	16.5
Min. Obs.	13	13	11	20	22	27	28	27	23	19	19	16
1966												
Max. Obs.	21	19	24	28	32	31	32	32	32	29	25	23
Max. Day	20.6	18.7	23.6	26.9	30.0	30.3	31.4	30.7	30.6	27.9	24.1	22.3
Mean	14.1	14.7	20.3	23.8	26.3	28.5	30.4	29.8	29.4	25.0	22.1	16.4
Min. Day	8.5	10.3	16.0	20.0	20.4	27.0	28.4	28.8	27.9	21.8	17.3	11.1
Min. Obs.	8	10	15	19	20	26	28	28	27	21	17	11
1967												
Max. Obs.	21	21	26	28	29	31	31	31	31	28	24	24
Max. Day	20.4	20.6	24.9	27.3	28.2	30.4	29.7	30.4	30.1	26.9	23.9	23.5
Mean	14.0	16.7	21.6	25.8	26.5	28.9	29.0	28.3	27.1	24.6	21.2	16.6
Min. Day	7.0	12.8	16.1	23.9	24.4	28.1	28.3	26.3	23.1	20.9	17.0	12.9
Min. Obs.	7	12	16	23	24	28	28	26	23	20	17	12
1968												
Max. Obs.	22	22	24	27	31	32	32	32	31	29	26	20
Max. Day	20.9	21.0	22.8	25.6	29.3	30.3	30.6	31.2	29.7	28.7	24.8	18.9
Mean	13.7	15.5	17.7	23.2	27.0	28.8	29.6	29.9	28.3	26.4	20.4	16.9
Min. Day	7.4	11.8	12.3	20.1	24.5	27.1	28.0	28.4	26.2	23.6	16.0	14.9
Min. Obs.	7	11	12	20	24	27	27	28	26	23	16	14
1969												
Max. Obs.	22	22	23	27	30	32	33	32	33	29	26	23
Max. Day	21.4	20.9	22.1	25.8	29.3	31.1	31.9	31.6	31.6	28.3	25.3	21.9
Mean	16.6	18.4	17.4	24.1	27.0	29.3	30.4	30.4	29.6	25.8	19.8	18.4
Min. Day	10.1	14.8	21.8	22.4	23.2	27.4	29.3	28.3	28.1	22.3	13.9	12.8
Min. Obs.	9	14	12	22	22	27	28	27	28	22	13	12

Table 2. –Sea Water Temperatures from Recording Thermometers

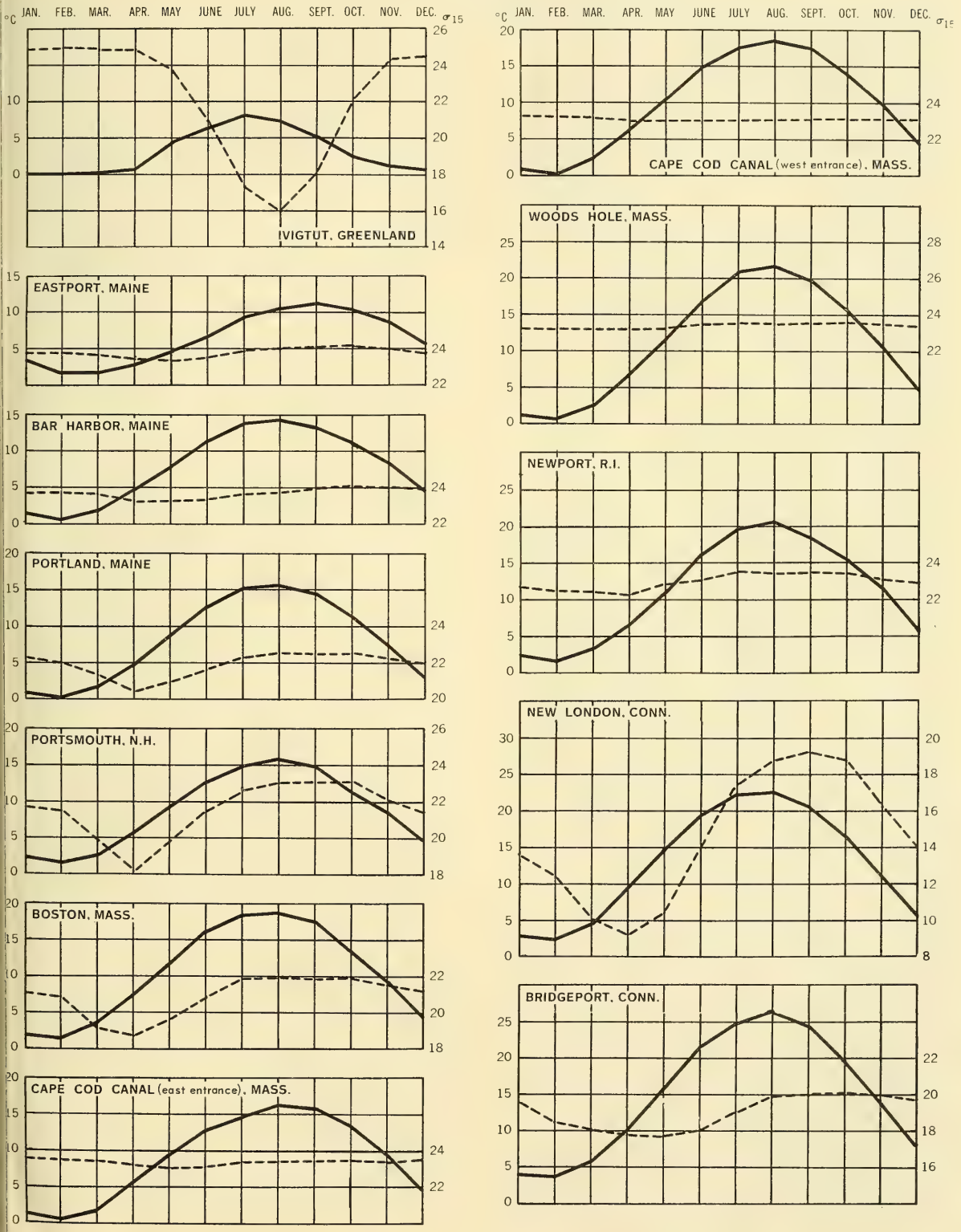
PORT MANSFIELD, TEX.-continued

1970

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Max. Obs.	20	21	24	28	30	31	33	32	31	29	--	--
Max. Day	19.6	19.7	22.9	26.9	28.9	29.9	31.7	31.0	30.2	27.7	--	--
Mean	13.4	17.0	19.2	24.1	25.6	28.1	30.1	30.3	28.6	24.2	--	--
Min. Day	9.0	13.9	16.6	20.4	21.6	26.1	27.3	29.6	22.1	20.1	--	--
Min. Obs.	9	13	16	19	21	26	27	29	22	19	--	--

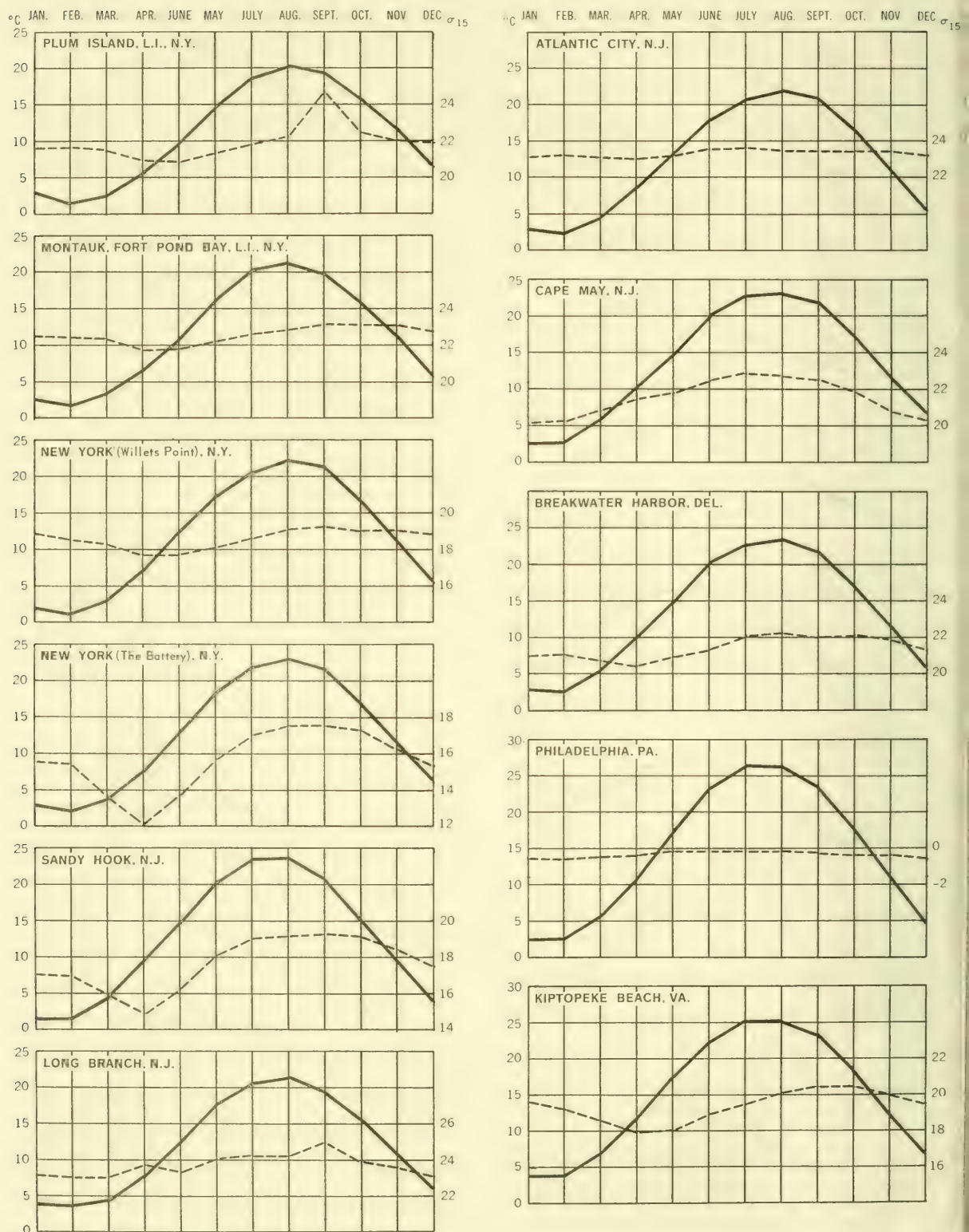
Monthly mean surface water temperatures (in degrees Celsius) and densities (σ_{15}) are presented graphically to show the seasonal variation.

———— Temperatures ————Densities



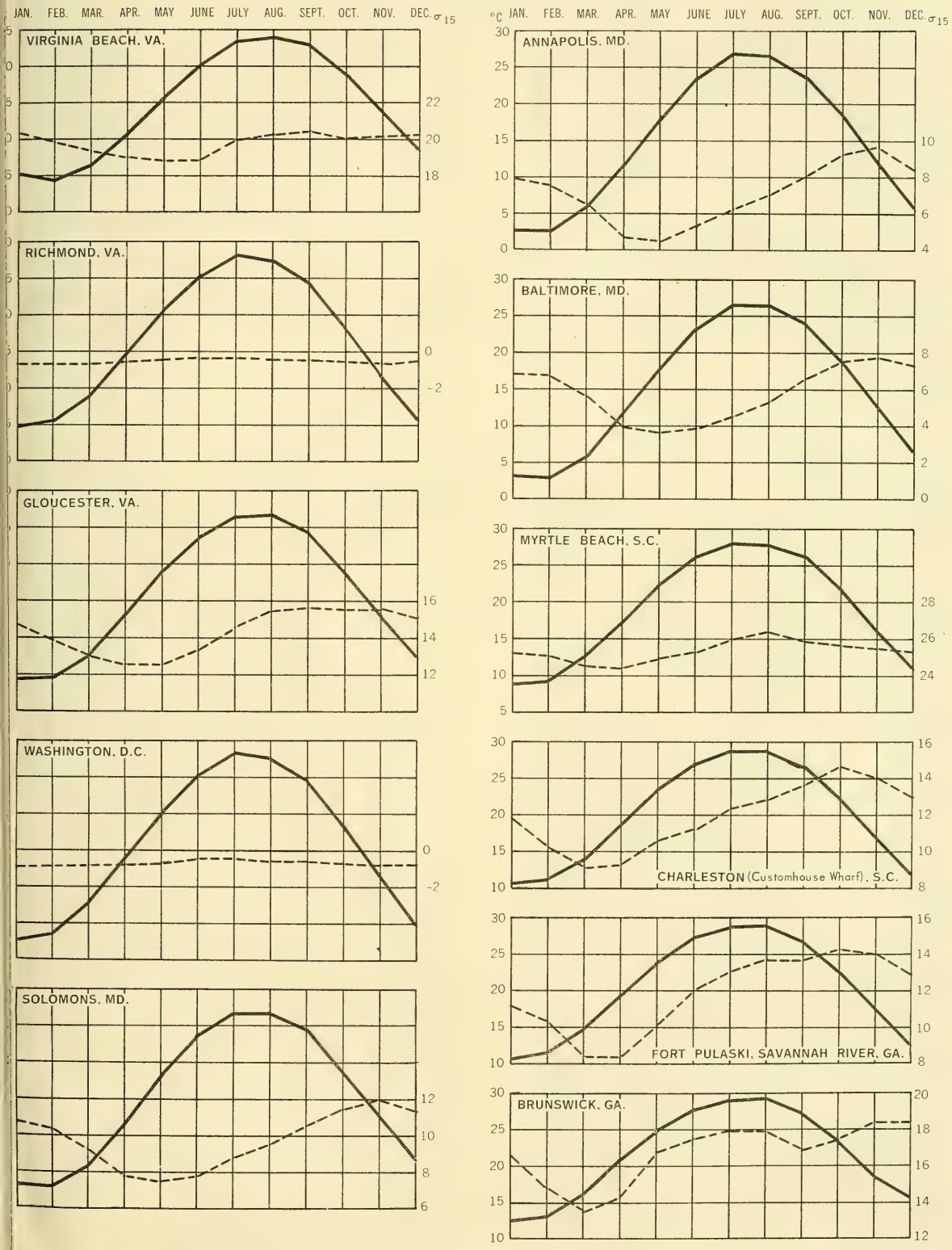
Mean Temperature and Density Curves

Monthly mean surface water temperatures (in degrees Celsius) and densities (σ_{15}) are presented graphically to show the seasonal variation.


Temperatures
Densities
°C JAN. FEB. MAR. APR. JUNE MAY JULY AUG. SEPT. OCT. NOV DEC σ15
PLUM ISLAND, L.I., N.Y.
MONTAUK, FORT POND BAY, L.I., N.Y.
NEW YORK (Willets Point), N.Y.
NEW YORK (The Battery), N.Y.
SANDY HOOK, N.J.
LONG BRANCH, N.J.
°C JAN FEB. MAR. APR. MAY JUNE JULY AUG. SEPT. OCT. NOV DEC σ15
ATLANTIC CITY, N.J.
CAPE MAY, N.J.
BREAKWATER HARBOR, DEL.
PHILADELPHIA, PA.
KIPTOPEKE BEACH, VA.

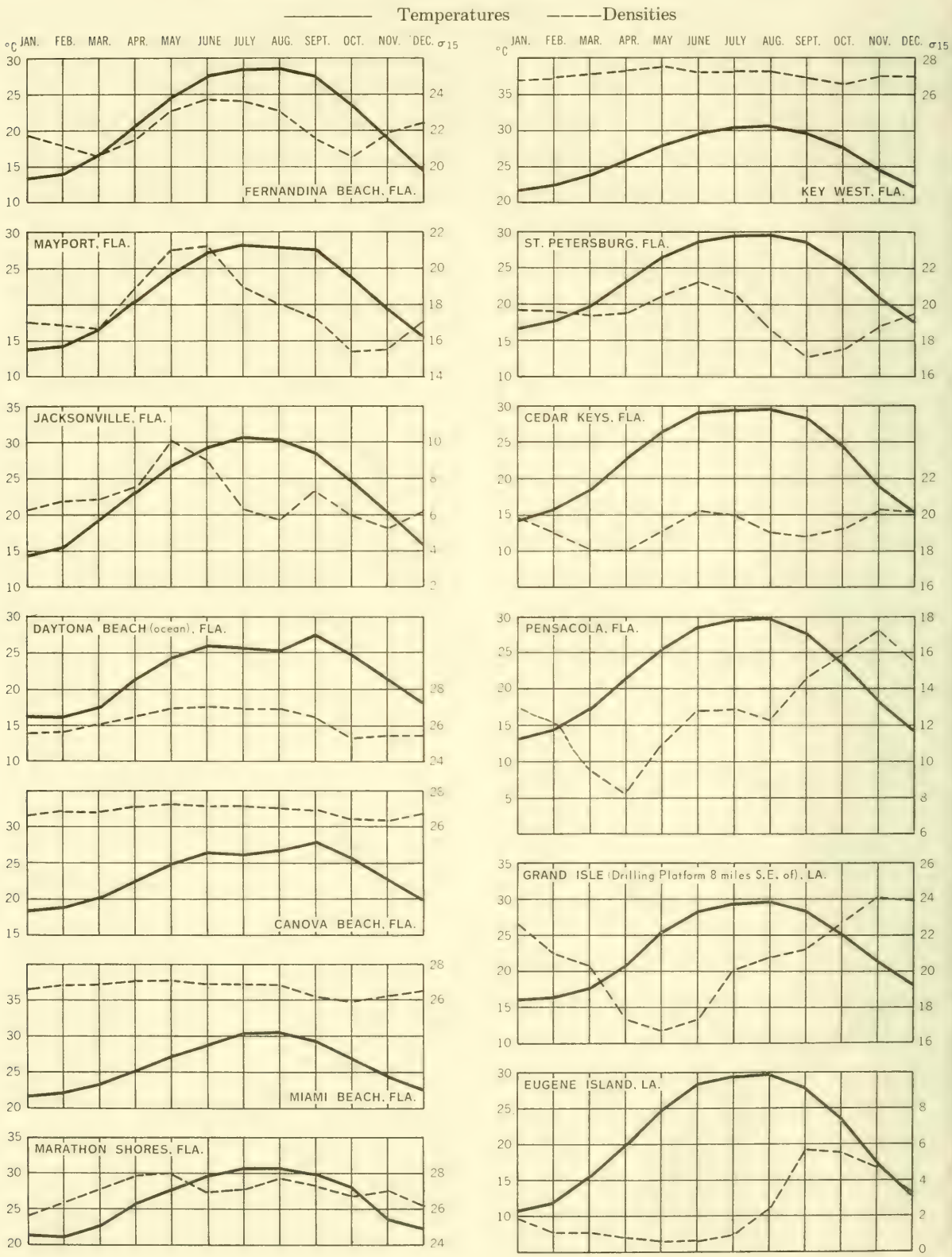
Monthly mean surface water temperatures (in degrees Celsius) and densities (σ_{15}) are presented graphically to show the seasonal variation.

———— Temperatures ————Densities



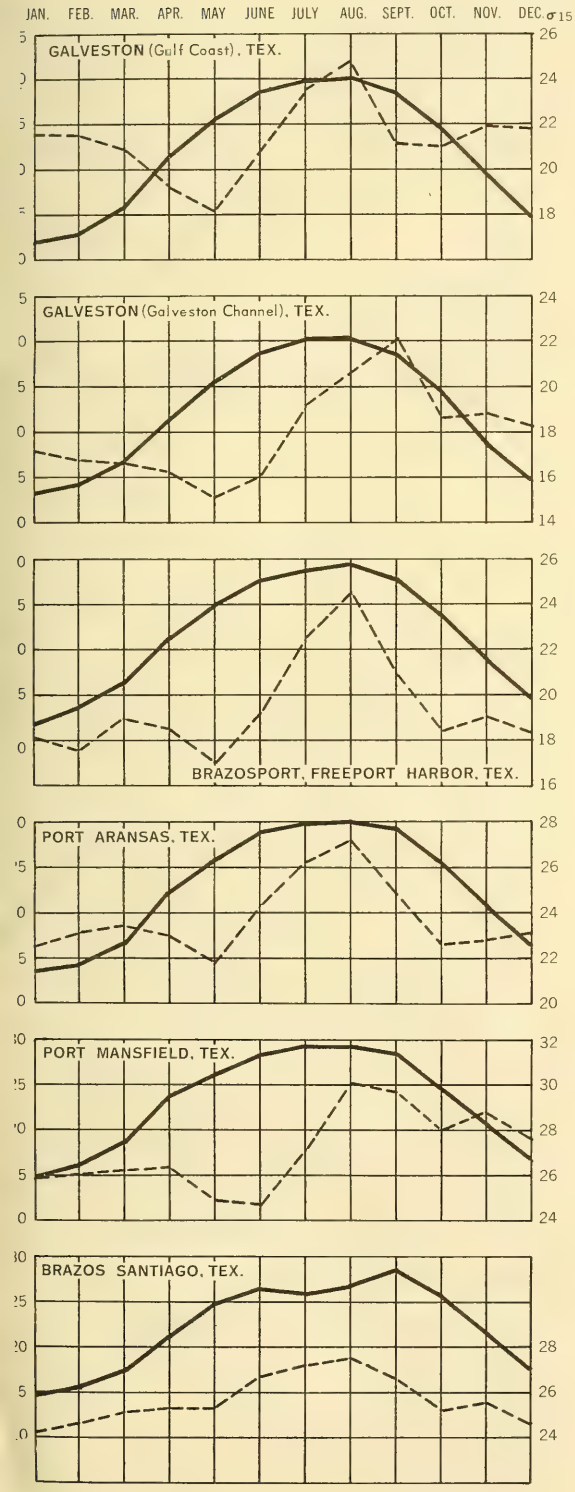
Mean Temperature and Density Curves

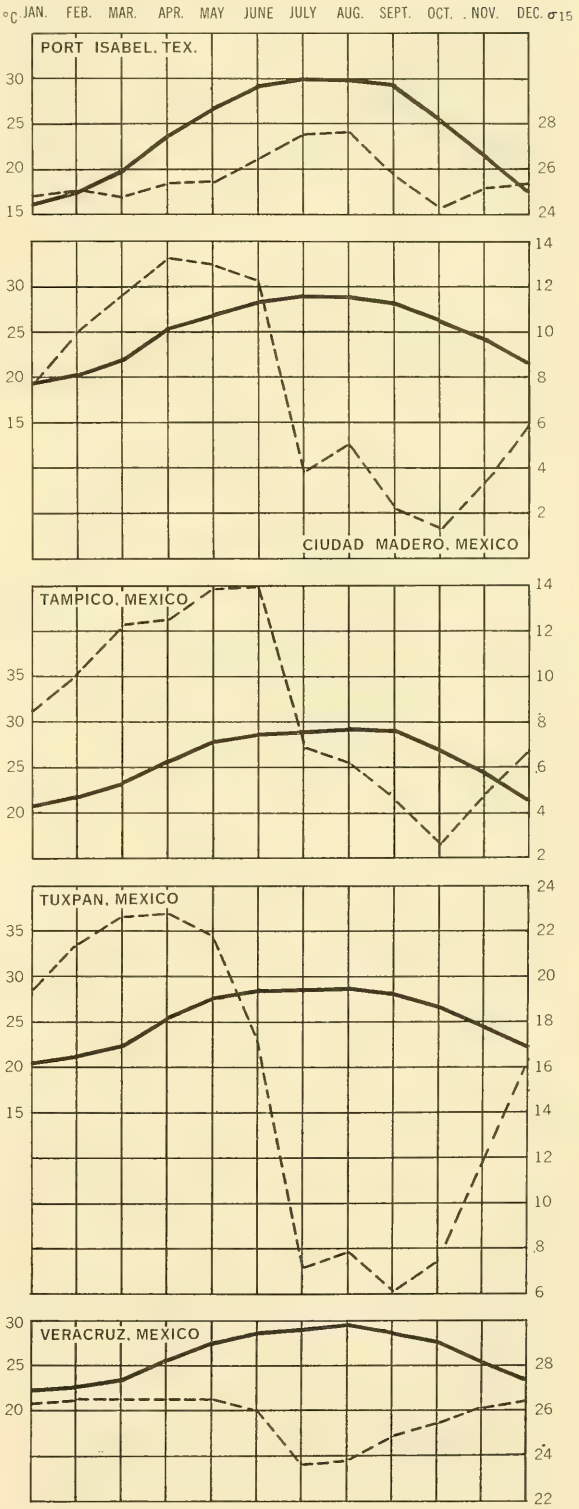
Monthly mean surface water temperatures (in degrees Celsius) and densities (σ_{15}) are presented graphically to show the seasonal variation.



Monthly mean surface water temperatures (in degrees Celsius) and densities (σ_{15}) are presented graphically to show the seasonal variation.

——— Temperatures –––––Densities

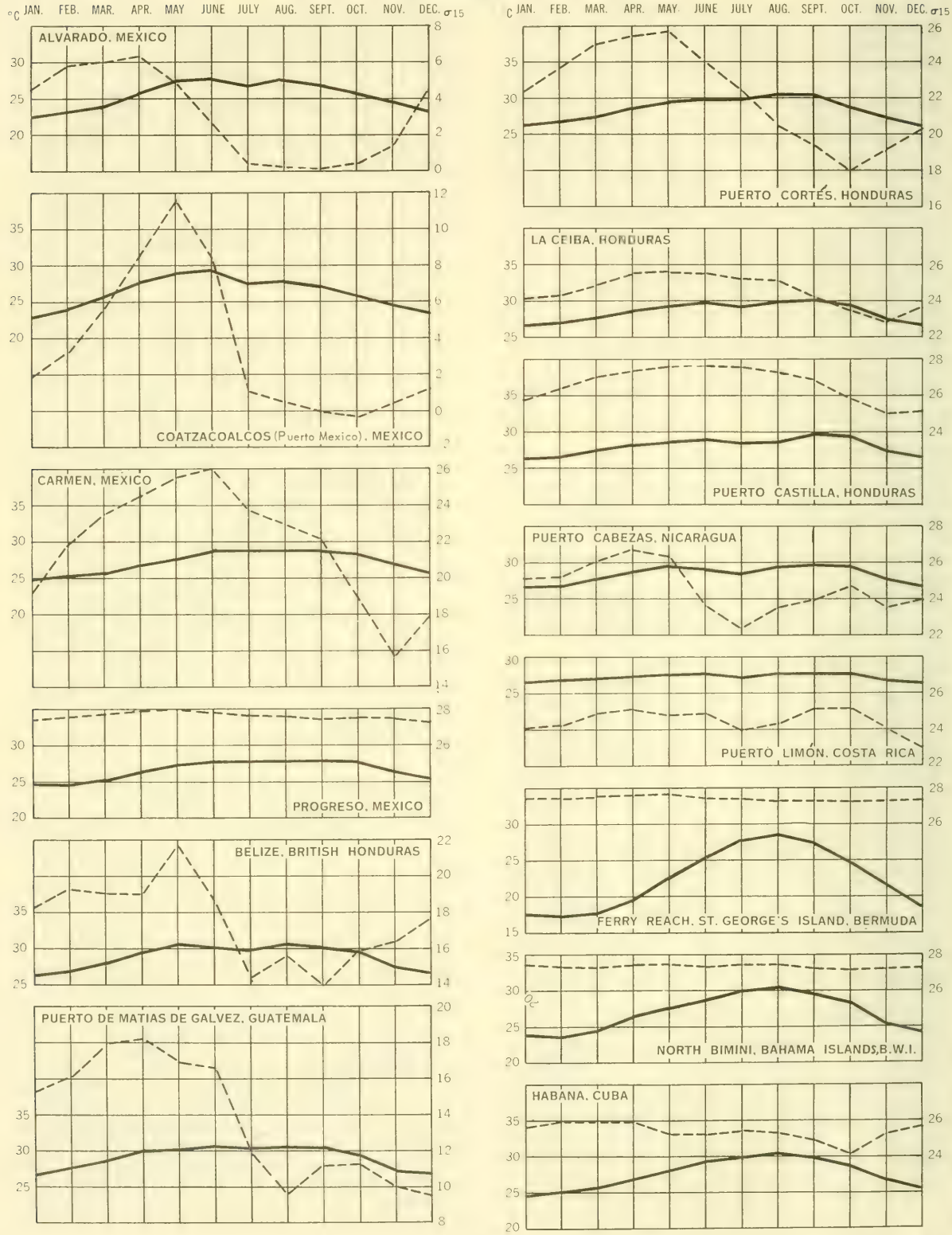

JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEPT. OCT. NOV. DEC. σ15
GALVESTON (Gulf Coast), TEX.
GALVESTON (Galveston Channel), TEX.
BRAZOSPORT, FREEPORT HARBOR, TEX.
PORT ARANSAS, TEX.
PORT MANSFIELD, TEX.
BRAZOS SANTIAGO, TEX.


°C JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEPT. OCT. NOV. DEC. σ15
PORT ISABEL, TEX.
CIUDAD MADERO, MEXICO
TAMPICO, MEXICO
TUXPAN, MEXICO
VERACRUZ, MEXICO

Mean Temperature and Density Curves

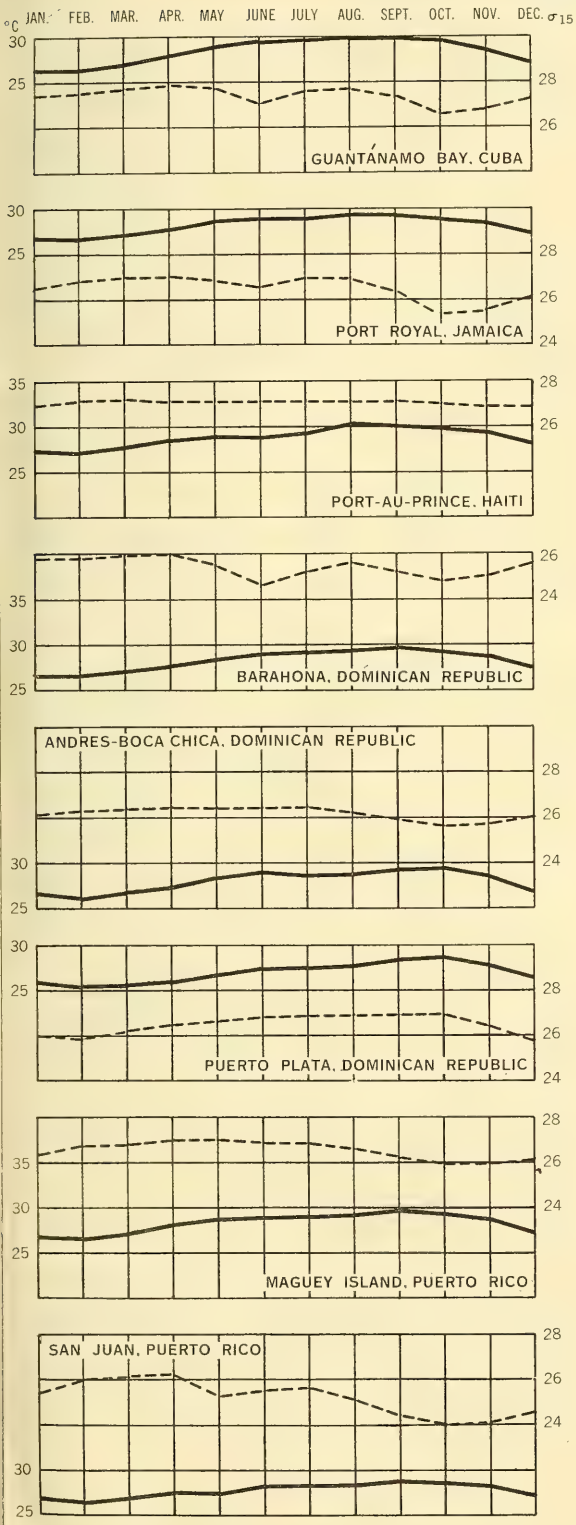
Monthly mean surface water temperatures (in degrees Celsius) and densities (σ_{15}) are presented graphically to show the seasonal variation.

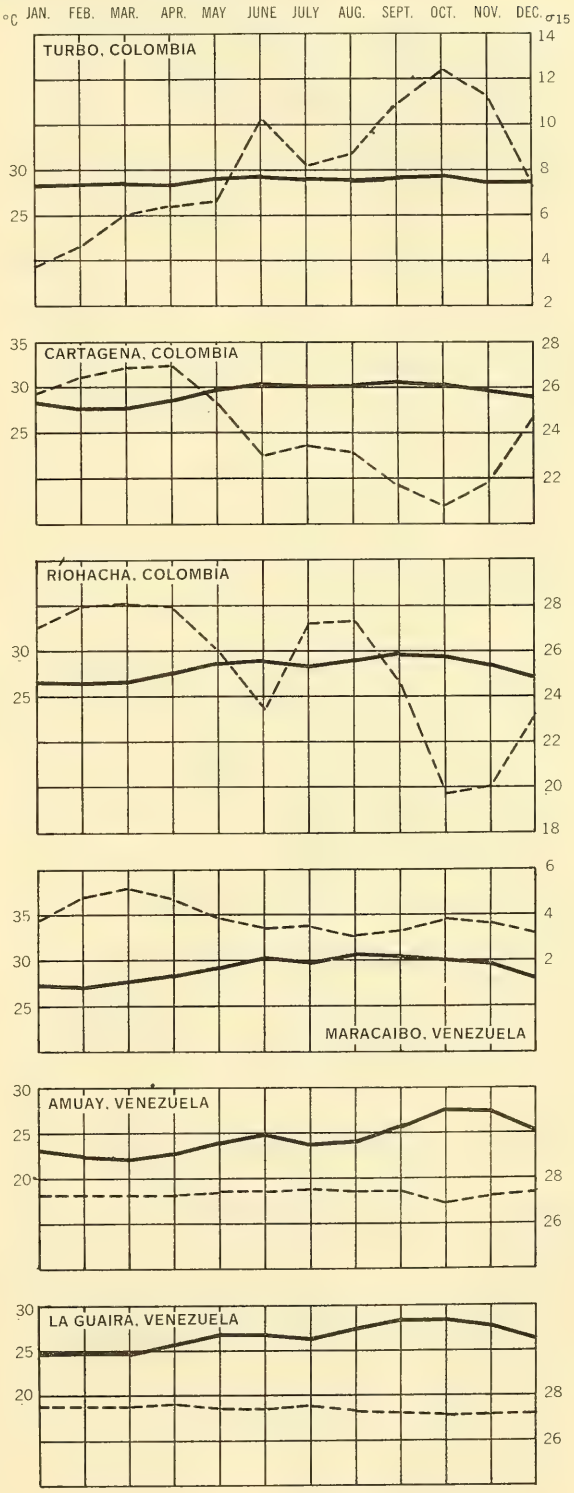
——— Temperatures – – – –Densities


°C JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEPT. OCT. NOV. DEC. σ15
ALVARADO, MEXICO
COATZACOALCOS (Puerto Mexico), MEXICO
CARMEN, MEXICO
PROGRESO, MEXICO
BELIZE, BRITISH HONDURAS
PUERTO DE MATIAS DE GALVEZ, GUATEMALA
C JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEPT. OCT. NOV. DEC. σ15
PUERTO CORTÉS, HONDURAS
LA CEIBA, HONDURAS
PUERTO CASTILLA, HONDURAS
PUERTO CABEZAS, NICARAGUA
PUERTO LIMÓN, COSTA RICA
FERRY REACH, ST. GEORGE'S ISLAND, BERMUDA
NORTH BIMINI, BAHAMA ISLANDS, B.W.I.
HABANA, CUBA

Monthly mean surface water temperatures (in degrees Celsius) and densities (σ_{15}) are presented graphically to show the seasonal variation.

———— Temperatures –––––Densities

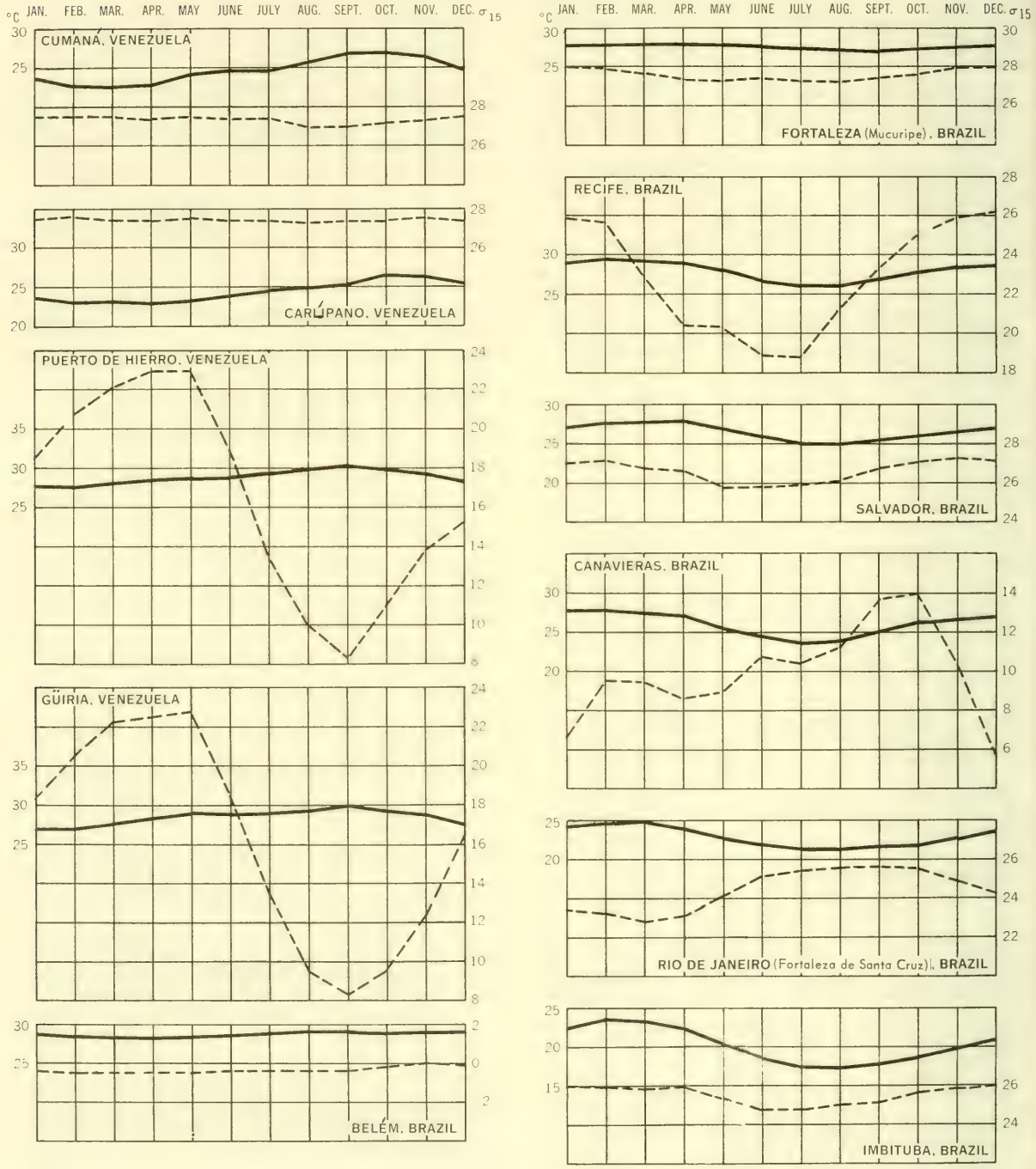

°C JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEPT. OCT. NOV. DEC. σ15
GUANTÁNAMO BAY, CUBA
PORT ROYAL, JAMAICA
PORT-AU-PRINCE, HAITI
BARAHONA, DOMINICAN REPUBLIC
ANDRES-BOCA CHICA, DOMINICAN REPUBLIC
PUERTO PLATA, DOMINICAN REPUBLIC
MAGUEY ISLAND, PUERTO RICO
SAN JUAN, PUERTO RICO



Mean Temperature and Density Curves

Monthly mean surface water temperatures (in degrees Celsius) and densities (σ_{15}) are presented graphically to show the seasonal variation.

———— Temperatures – – – – Densities



°C	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-3	26.6	26.4	26.2	26.1	25.9	25.7	25.5	25.3	25.2	25.0
-2	28.4	28.2	28.0	27.9	27.7	27.5	27.3	27.1	27.0	26.8
-1	30.2	30.0	29.8	29.7	29.5	29.3	29.1	28.9	28.8	28.6
-0	32.0	31.8	31.6	31.5	31.3	31.1	30.9	30.7	30.6	30.4
0	32.0	32.2	32.4	32.5	32.7	32.9	33.1	33.3	33.4	33.6
1	33.8	34.0	34.2	34.3	34.5	34.7	34.9	35.1	35.2	35.4
2	35.6	35.8	36.0	36.1	36.3	36.5	36.7	36.9	37.0	37.2
3	37.4	37.6	37.8	37.9	38.1	38.3	38.5	38.7	38.8	39.0
4	39.2	39.4	39.6	39.7	39.9	40.1	40.3	40.5	40.6	40.8
5	41.0	41.2	41.4	41.5	41.7	41.9	42.1	42.3	42.4	42.6
6	42.8	43.0	43.2	43.3	43.5	43.7	43.9	44.1	44.2	44.4
7	44.6	44.8	45.0	45.1	45.3	45.5	45.7	45.9	46.0	46.2
8	46.4	46.6	46.8	46.9	47.1	47.3	47.5	47.7	47.8	48.0
9	48.2	48.4	48.6	48.7	48.9	49.1	49.3	49.5	49.6	49.8
10	50.0	50.2	50.4	50.5	50.7	50.9	51.1	51.3	51.4	51.6
11	51.8	52.0	52.2	52.3	52.5	52.7	52.9	53.1	53.2	53.4
12	53.6	53.8	54.0	54.1	54.3	54.5	54.7	54.9	55.0	55.2
13	55.4	55.6	55.8	55.9	56.1	56.3	56.5	56.7	56.8	57.0
14	57.2	57.4	57.6	57.7	57.9	58.1	58.3	58.5	58.6	58.8
15	59.0	59.2	59.4	59.5	59.7	59.9	60.1	60.3	60.4	60.6
16	60.8	61.0	61.2	61.3	61.5	61.7	61.9	62.1	62.2	62.4
17	62.6	62.8	63.0	63.1	63.3	63.5	63.7	63.9	64.0	64.2
18	64.4	64.6	64.8	64.9	65.1	65.3	65.5	65.7	65.8	66.0
19	66.2	66.4	66.6	66.7	66.9	67.1	67.3	67.5	67.6	67.8
20	68.0	68.2	68.4	68.5	68.7	68.9	69.1	69.3	69.4	69.6
21	69.8	70.0	70.2	70.3	70.5	70.7	70.9	71.1	71.2	71.4
22	71.6	71.8	72.0	72.1	72.3	72.5	72.7	72.9	73.0	73.2
23	73.4	73.6	73.8	73.9	74.1	74.3	74.5	74.7	74.8	75.0
24	75.2	75.4	75.6	75.7	75.9	76.1	76.3	76.5	76.6	76.8
25	77.0	77.2	77.4	77.5	77.7	77.9	78.1	78.3	78.4	78.6
26	78.8	79.0	79.2	79.3	79.5	79.7	79.9	80.1	80.2	80.4
27	80.6	80.8	81.0	81.1	81.3	81.5	81.7	81.9	82.0	82.2
28	82.4	82.6	82.8	82.9	83.1	83.3	83.5	83.7	83.8	84.0
29	84.2	84.4	84.6	84.7	84.9	85.1	85.3	85.5	85.6	85.8
30	86.0	86.2	86.4	86.5	86.7	86.9	87.1	87.3	87.4	87.6
31	87.8	88.0	88.2	88.3	88.5	88.7	88.9	89.1	89.2	89.4
32	89.6	89.8	90.0	90.1	90.3	90.5	90.7	90.9	91.0	91.2
33	91.4	91.6	91.8	91.9	92.1	92.3	92.5	92.7	92.8	93.0
34	93.2	93.4	93.6	93.7	93.9	94.1	94.3	94.5	94.6	94.8
35	95.0	95.2	95.4	95.5	95.7	95.9	96.1	96.3	96.4	96.6
36	96.8	97.0	97.2	97.3	97.5	97.7	97.9	98.1	98.2	98.4
37	98.6	98.8	99.0	99.1	99.3	99.5	99.7	99.9	100.0	100.2
38	100.4	100.6	100.8	100.9	101.1	101.3	101.5	101.7	101.8	102.0
39	102.2	102.4	102.6	102.7	102.9	103.1	103.3	103.5	103.6	103.8

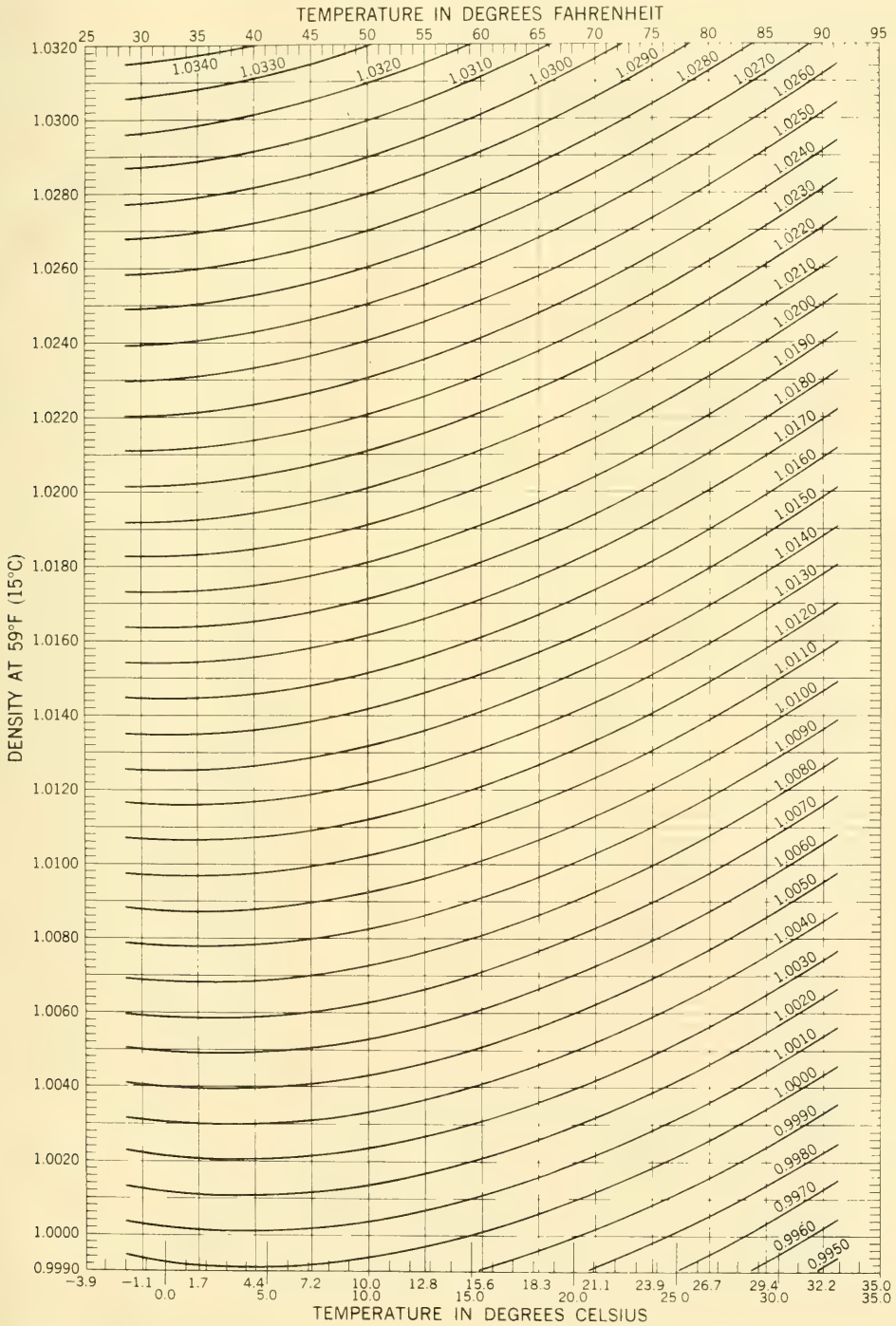
$F = 1.8C + 32$

Table 4. -Corresponding Densities and Salinities

(Density at 15°C. -- Salinity in parts per 1000)

Density	Salinity	Density	Salinity	Density	Salinity	Density	Salinity	Density	Salinity	Density	Salinity
0.9991	0.0	1.0046	7.1	1.0101	14.2	1.0156	21.4	1.0211	28.6	1.0266	35.8
0.9992	0.0	1.0047	7.2	1.0102	14.4	1.0157	21.6	1.0212	28.8	1.0267	35.9
0.9993	0.2	1.0048	7.3	1.0103	14.5	1.0158	21.7	1.0213	28.9	1.0268	36.0
0.9994	0.3	1.0049	7.5	1.0104	14.6	1.0159	21.8	1.0214	29.0	1.0269	36.2
0.9995	0.4	1.0050	7.6	1.0105	14.8	1.0160	22.0	1.0215	29.1	1.0270	36.3
0.9996	0.6	1.0051	7.7	1.0106	14.9	1.0161	22.1	1.0216	29.3	1.0271	36.4
0.9997	0.7	1.0052	7.9	1.0107	15.0	1.0162	22.2	1.0217	29.4	1.0272	36.6
0.9998	0.8	1.0053	8.0	1.0108	15.2	1.0163	22.4	1.0218	29.5	1.0273	36.7
0.9999	0.9	1.0054	8.1	1.0109	15.3	1.0164	22.5	1.0219	29.7	1.0274	36.8
1.0000	1.1	1.0055	8.2	1.0110	15.4	1.0165	22.6	1.0220	29.8	1.0275	37.0
1.0001	1.2	1.0056	8.4	1.0111	15.6	1.0166	22.7	1.0221	29.9	1.0276	37.1
1.0002	1.3	1.0057	8.5	1.0112	15.7	1.0167	22.9	1.0222	30.1	1.0277	37.2
1.0003	1.5	1.0058	8.6	1.0113	15.8	1.0168	23.0	1.0223	30.2	1.0278	37.3
1.0004	1.6	1.0059	8.8	1.0114	16.0	1.0169	23.1	1.0224	30.3	1.0279	37.5
1.0005	1.7	1.0060	8.9	1.0115	16.1	1.0170	23.3	1.0225	30.4	1.0280	37.6
1.0006	1.9	1.0061	9.0	1.0116	16.2	1.0171	23.4	1.0226	30.6	1.0281	37.7
1.0007	2.0	1.0062	9.2	1.0117	16.3	1.0172	23.5	1.0227	30.7	1.0282	37.9
1.0008	2.1	1.0063	9.3	1.0118	16.5	1.0173	23.7	1.0228	30.8	1.0283	38.0
1.0009	2.2	1.0064	9.4	1.0119	16.6	1.0174	23.8	1.0229	31.0	1.0284	38.1
1.0010	2.4	1.0065	9.6	1.0120	16.7	1.0175	23.9	1.0230	31.1	1.0285	38.2
1.0011	2.5	1.0066	9.7	1.0121	16.9	1.0176	24.1	1.0231	31.2	1.0286	38.4
1.0012	2.6	1.0067	9.8	1.0122	17.0	1.0177	24.2	1.0232	31.4	1.0287	38.5
1.0013	2.8	1.0068	9.9	1.0123	17.1	1.0178	24.3	1.0233	31.5	1.0288	38.6
1.0014	2.9	1.0069	10.1	1.0124	17.3	1.0179	24.4	1.0234	31.6	1.0289	38.8
1.0015	3.0	1.0070	10.2	1.0125	17.4	1.0180	24.6	1.0235	31.8	1.0290	38.9
1.0016	3.2	1.0071	10.3	1.0126	17.5	1.0181	24.7	1.0236	31.9	1.0291	39.0
1.0017	3.3	1.0072	10.5	1.0127	17.7	1.0182	24.8	1.0237	32.0	1.0292	39.2
1.0018	3.4	1.0073	10.6	1.0128	17.8	1.0183	25.0	1.0238	32.1	1.0293	39.3
1.0019	3.5	1.0074	10.7	1.0129	17.9	1.0184	25.1	1.0239	32.3	1.0294	39.4
1.0020	3.7	1.0075	10.8	1.0130	18.0	1.0185	25.2	1.0240	32.4	1.0295	39.6
1.0021	3.8	1.0076	11.0	1.0131	18.2	1.0186	25.4	1.0241	32.5	1.0296	39.7
1.0022	3.9	1.0077	11.1	1.0132	18.3	1.0187	25.5	1.0242	32.7	1.0297	39.8
1.0023	4.1	1.0078	11.2	1.0133	18.4	1.0188	25.6	1.0243	32.8	1.0298	39.9
1.0024	4.2	1.0079	11.4	1.0134	18.6	1.0189	25.8	1.0244	32.9	1.0299	40.1
1.0025	4.3	1.0080	11.5	1.0135	18.7	1.0190	25.9	1.0245	33.1	1.0300	40.2
1.0026	4.5	1.0081	11.6	1.0136	18.8	1.0191	26.0	1.0246	33.2	1.0301	40.3
1.0027	4.6	1.0082	11.8	1.0137	19.0	1.0192	26.1	1.0247	33.3	1.0302	40.4
1.0028	4.7	1.0083	11.9	1.0138	19.1	1.0193	26.3	1.0248	33.5	1.0303	40.6
1.0029	4.8	1.0084	12.0	1.0139	19.2	1.0194	26.4	1.0249	33.6	1.0304	40.7
1.0030	5.0	1.0085	12.2	1.0140	19.3	1.0195	26.5	1.0250	33.7	1.0305	40.8
1.0031	5.1	1.0086	12.3	1.0141	19.5	1.0196	26.7	1.0251	33.8	1.0306	41.0
1.0032	5.2	1.0087	12.4	1.0142	19.6	1.0197	26.8	1.0252	34.0	1.0307	41.1
1.0033	5.4	1.0088	12.6	1.0143	19.7	1.0198	26.9	1.0253	34.1	1.0308	41.2
1.0034	5.5	1.0089	12.7	1.0144	19.9	1.0199	27.1	1.0254	34.2	1.0309	41.4
1.0035	5.6	1.0090	12.8	1.0145	20.0	1.0200	27.2	1.0255	34.4	1.0310	41.5
1.0036	5.8	1.0091	12.9	1.0146	20.1	1.0201	27.3	1.0256	34.5	1.0311	41.6
1.0037	5.9	1.0092	13.1	1.0147	20.3	1.0202	27.5	1.0257	34.6	1.0312	41.7
1.0038	6.0	1.0093	13.2	1.0148	20.4	1.0203	27.6	1.0258	34.8	1.0313	41.9
1.0039	6.2	1.0094	13.3	1.0149	20.5	1.0204	27.7	1.0259	34.9	1.0314	42.0
1.0040	6.3	1.0095	13.5	1.0150	20.6	1.0205	27.8	1.0260	35.0	1.0315	42.1
1.0041	6.4	1.0096	13.6	1.0151	20.8	1.0206	28.0	1.0261	35.1	1.0316	42.3
1.0042	6.6	1.0097	13.7	1.0152	20.9	1.0207	28.1	1.0262	35.3	1.0317	42.4
1.0043	6.7	1.0098	13.9	1.0153	21.0	1.0208	28.2	1.0263	35.4	1.0318	42.5
1.0044	6.8	1.0099	14.0	1.0154	21.2	1.0209	28.4	1.0264	35.5	1.0319	42.7
1.0045	6.9	1.0100	14.1	1.0155	21.3	1.0210	28.5	1.0265	35.7	1.0320	42.8

The purpose of this graph is to provide the density of sea water at any temperature apt to be encountered when the density at the standard temperature of 59°F (15°C) is known. To convert a density at 59°F (15°C) to density at another temperature, enter the graph horizontally from the left with the known density and downward from the top or upward from the bottom with the desired temperature; the position of the point of intersection with respect to the curves gives the density at the desired temperature. Interpolate between curves when necessary. For example, by this method, water having a density of 1.0162 at 59°F is found to have a density of 1.0124 at 85°F. The densities are referred to the density of fresh water at 4°C (39.2°F) as unity.



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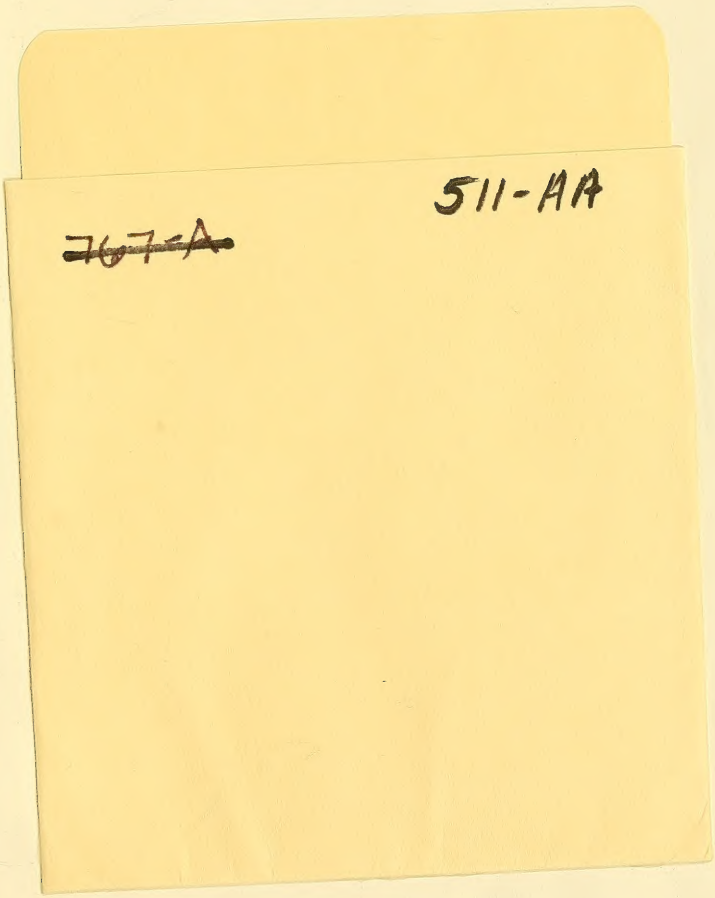
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